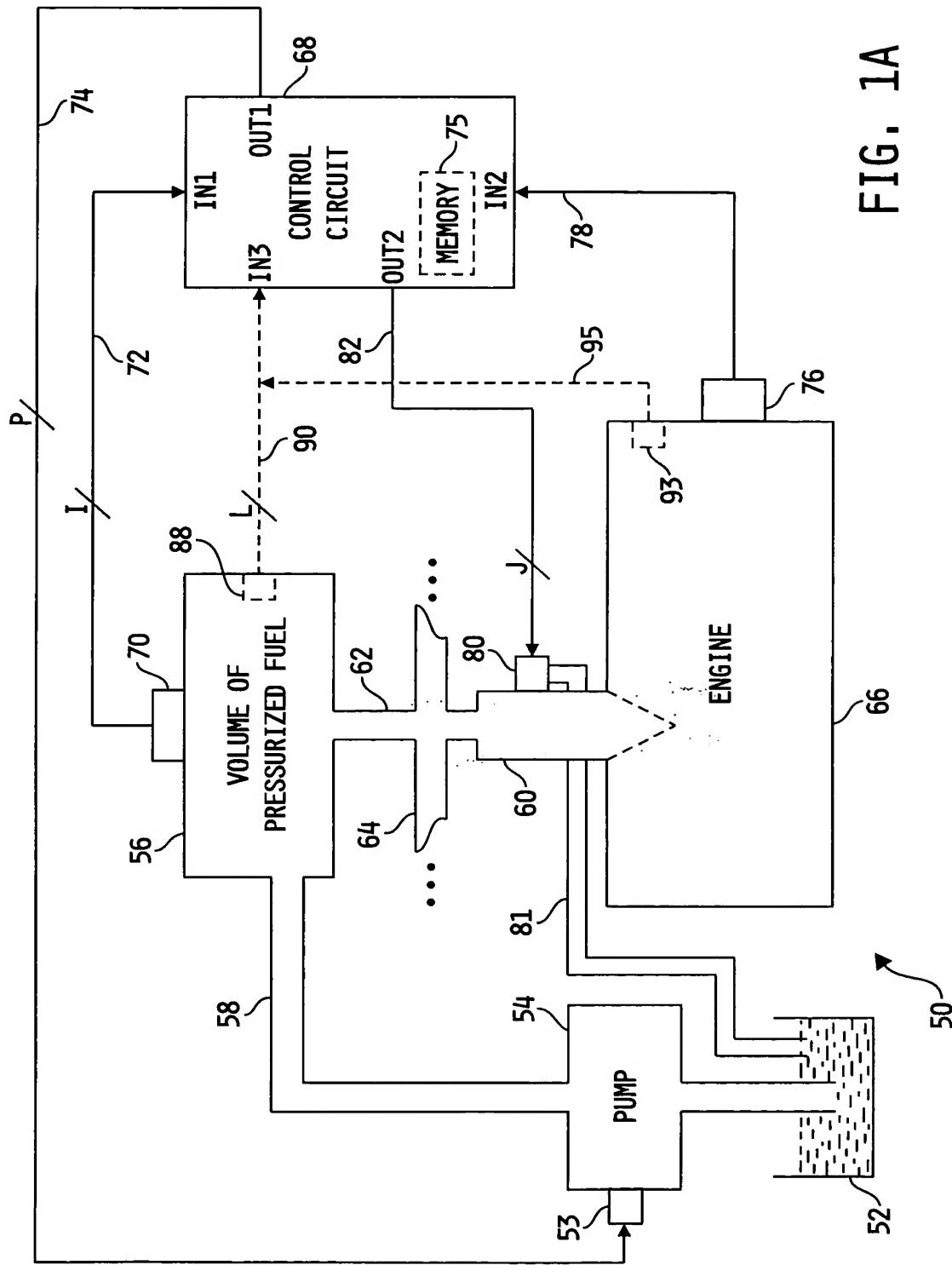




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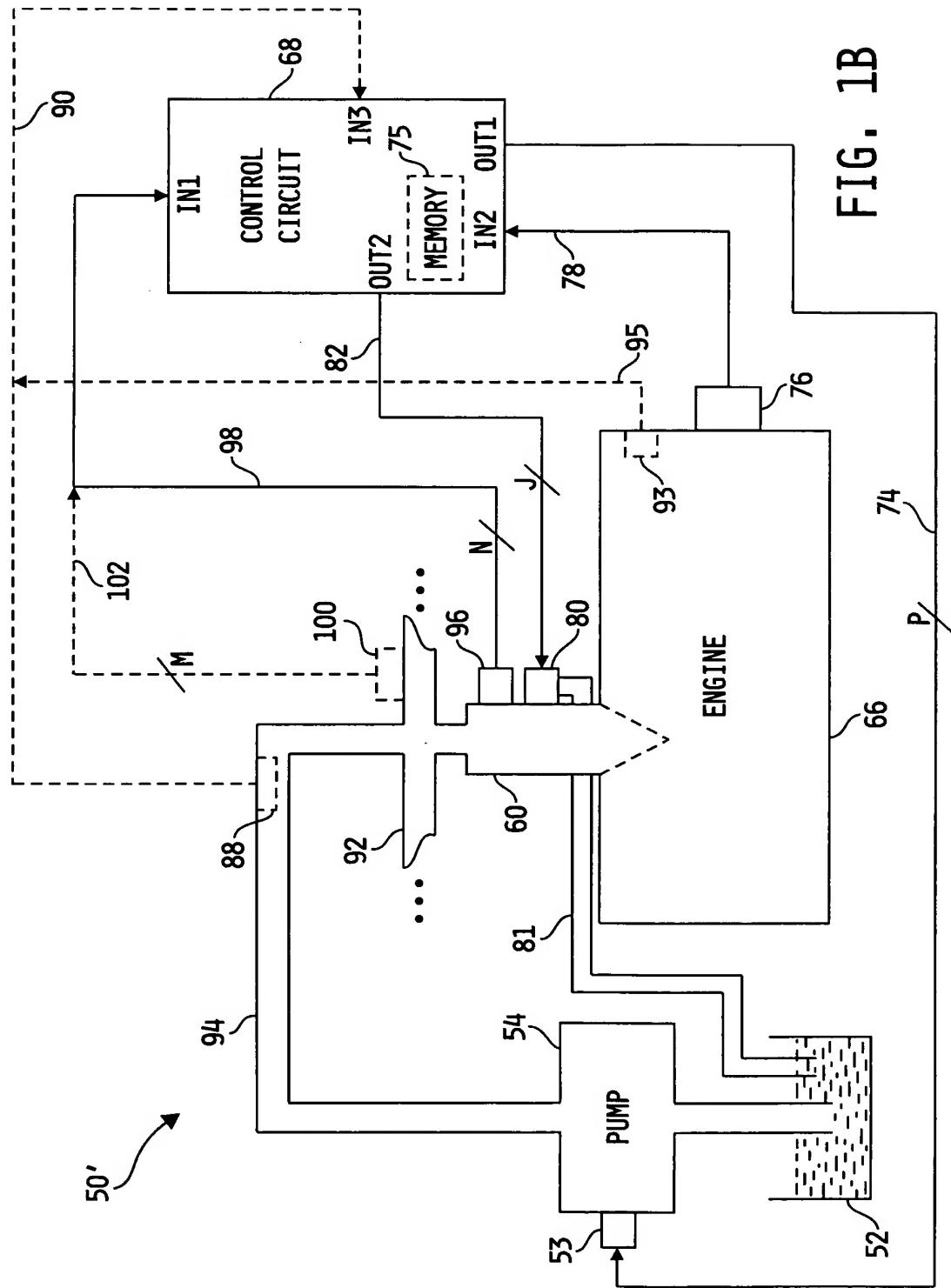


FIG. 1B

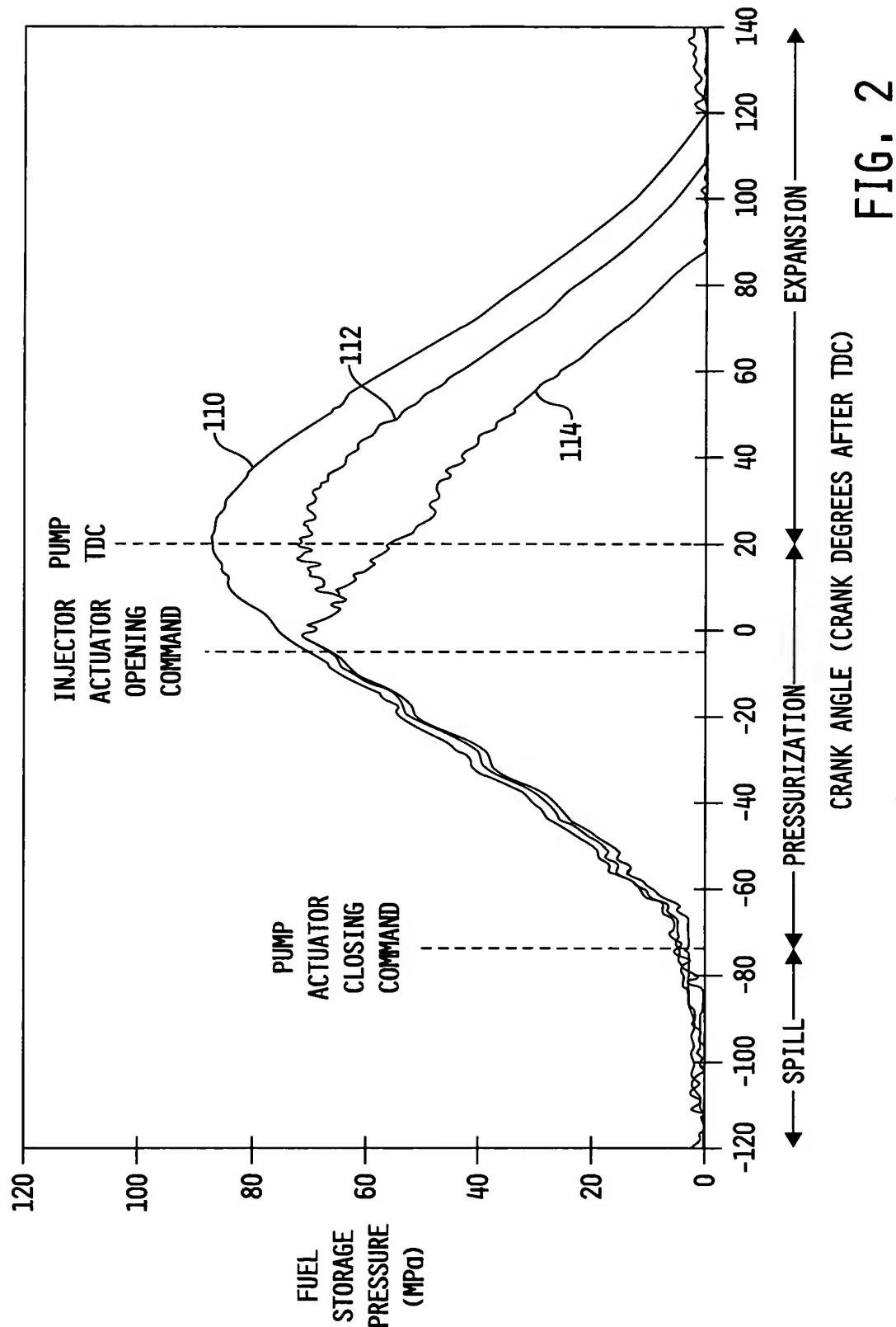


FIG. 2

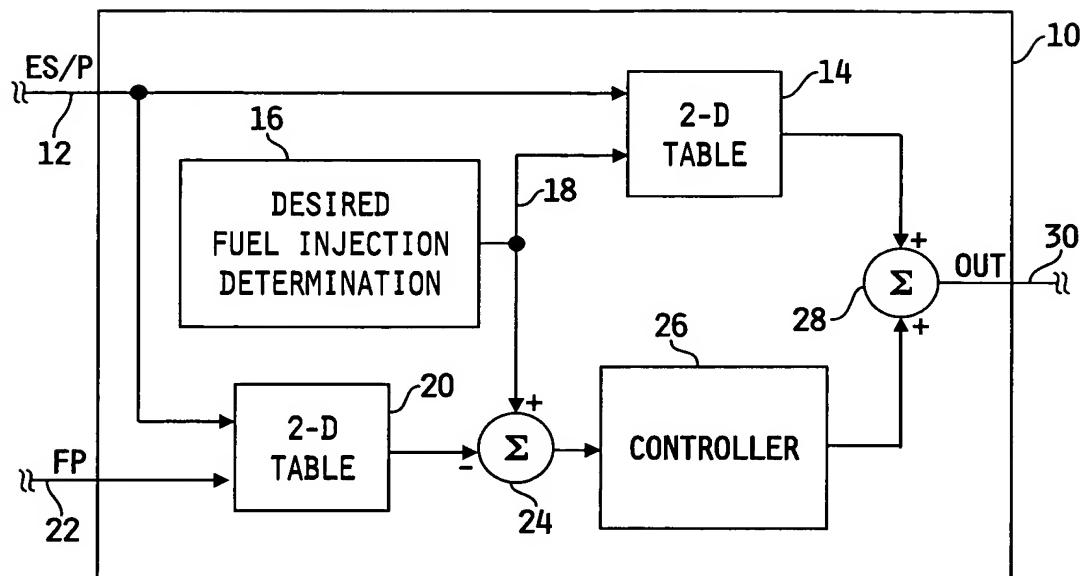


FIG. 3
 (PRIOR ART)

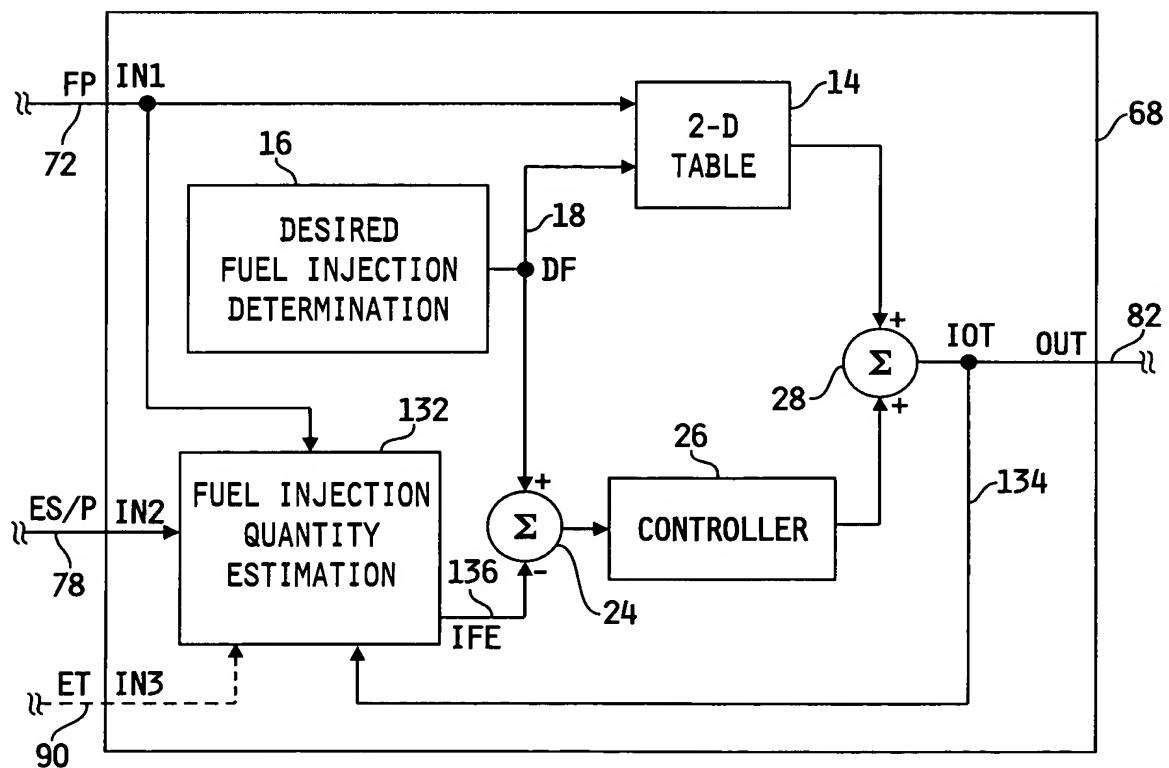


FIG. 4

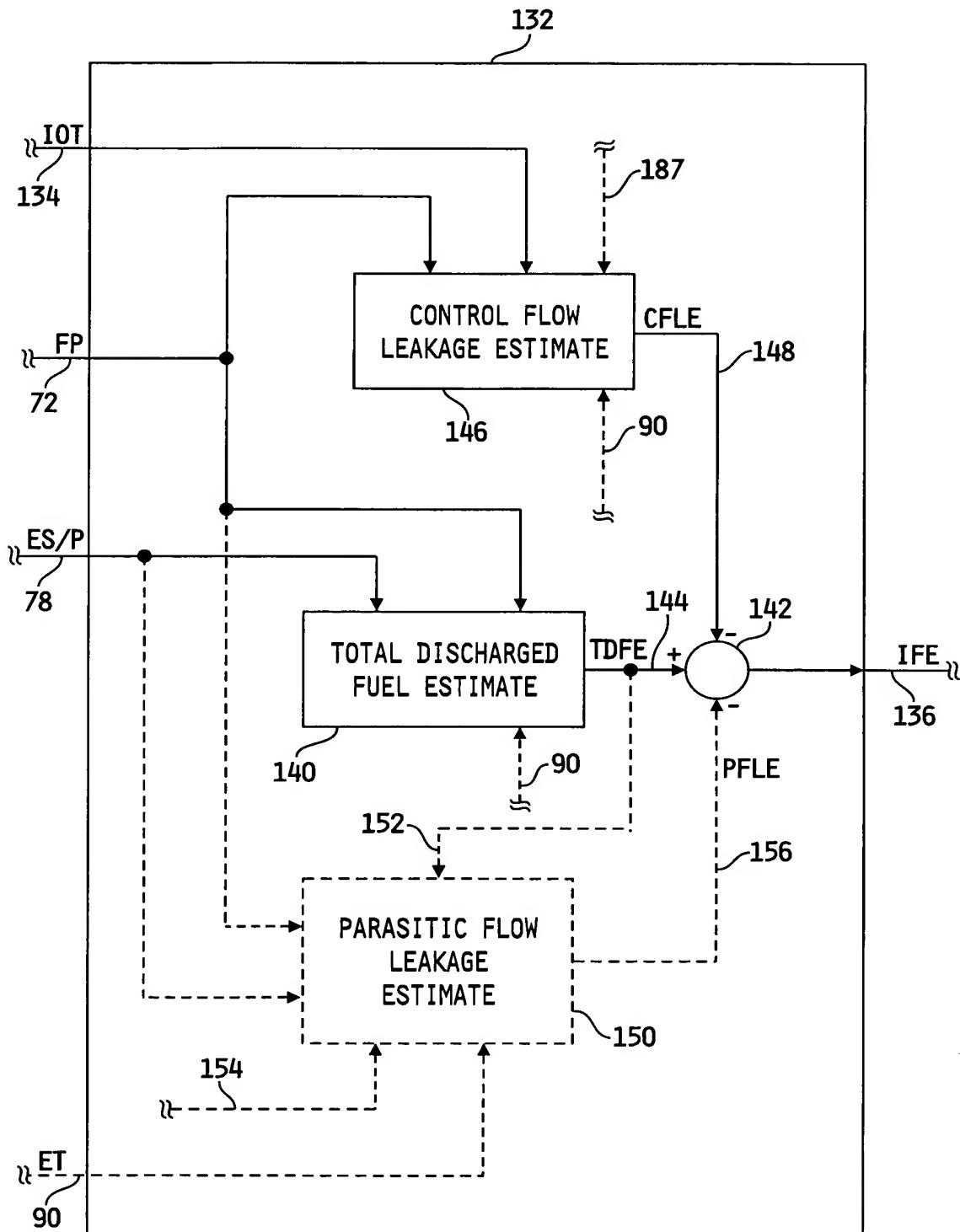


FIG. 5

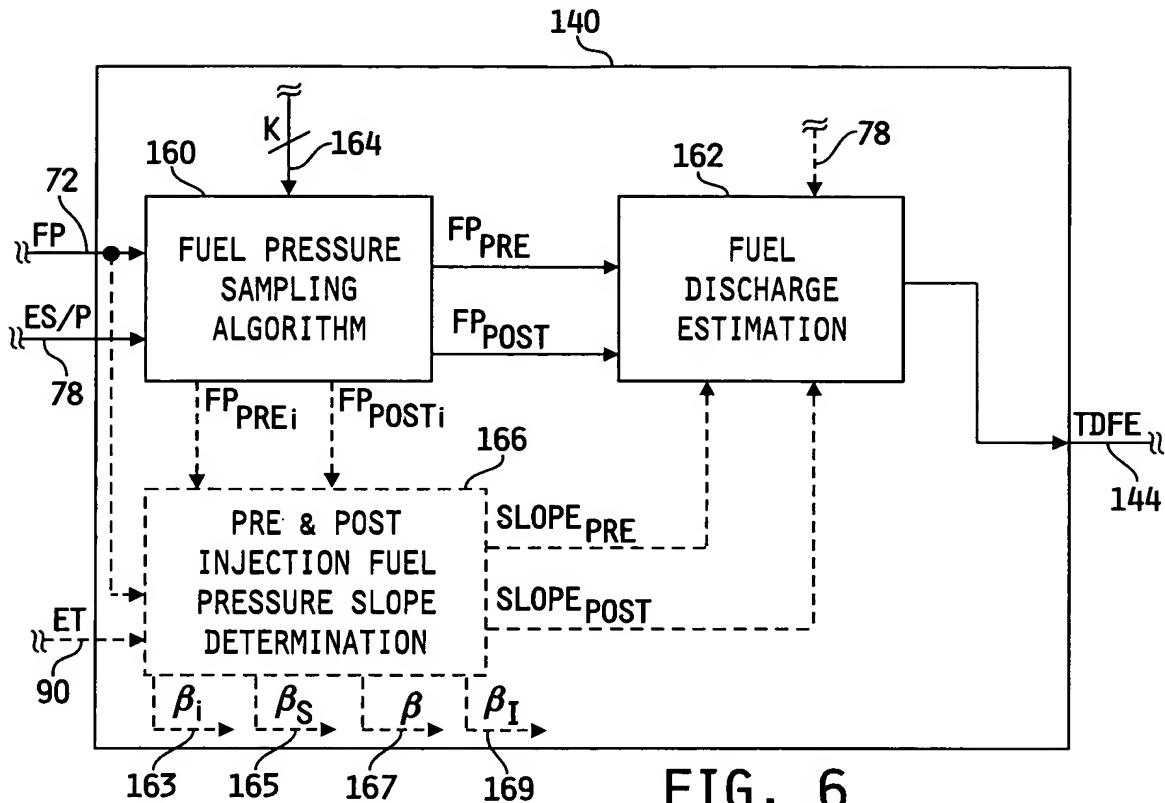


FIG. 6

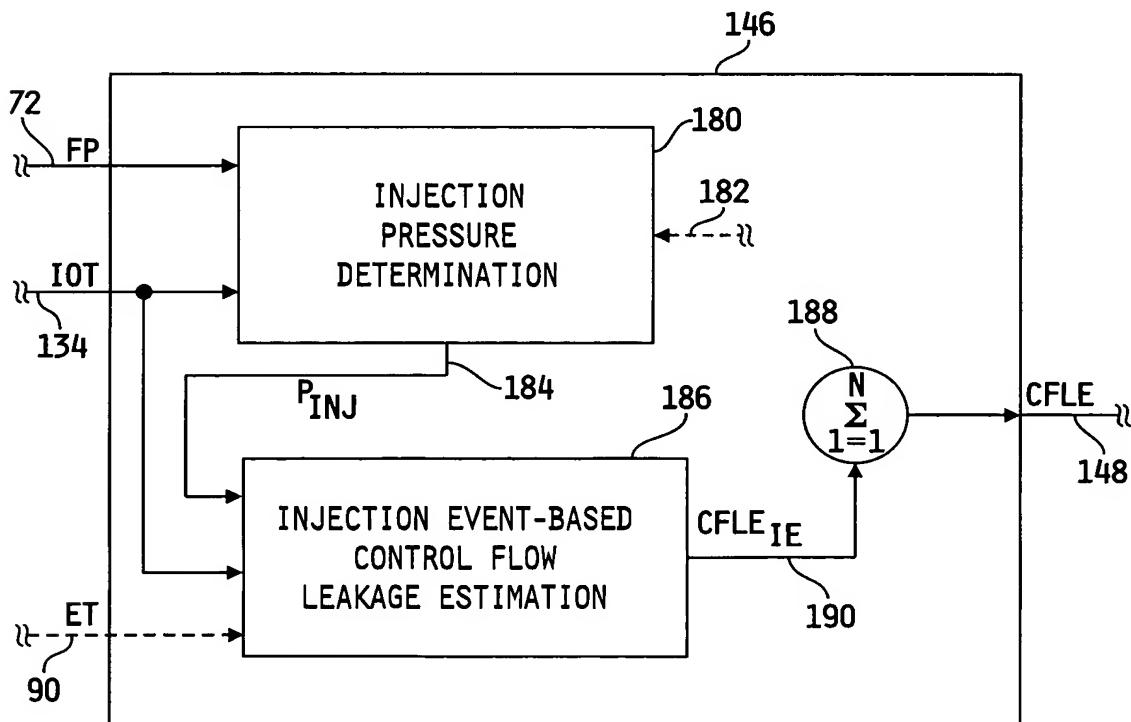


FIG. 14

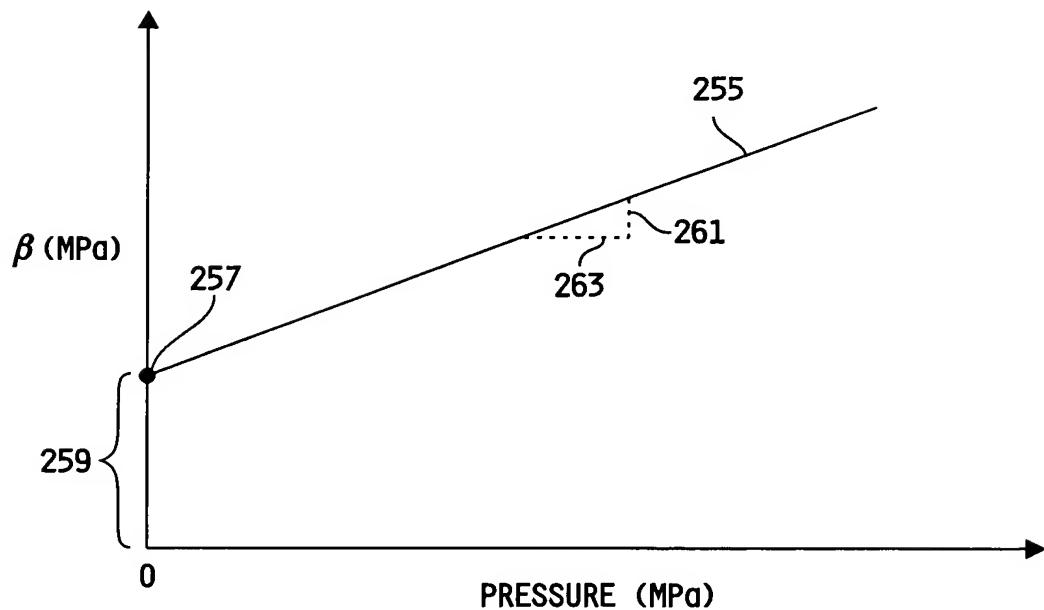


FIG. 7

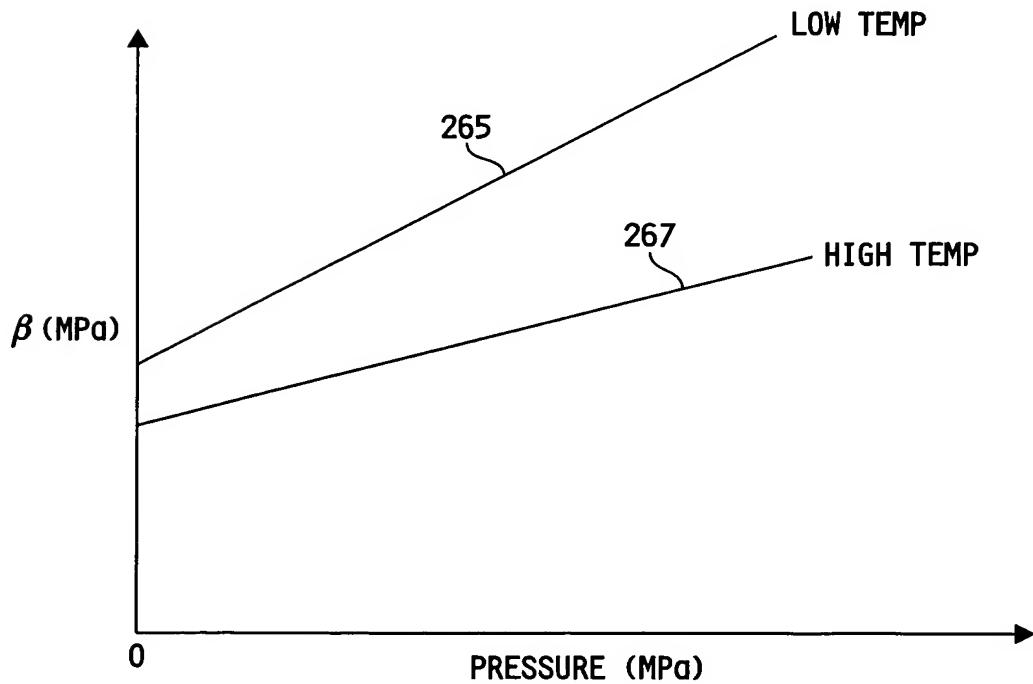


FIG. 8

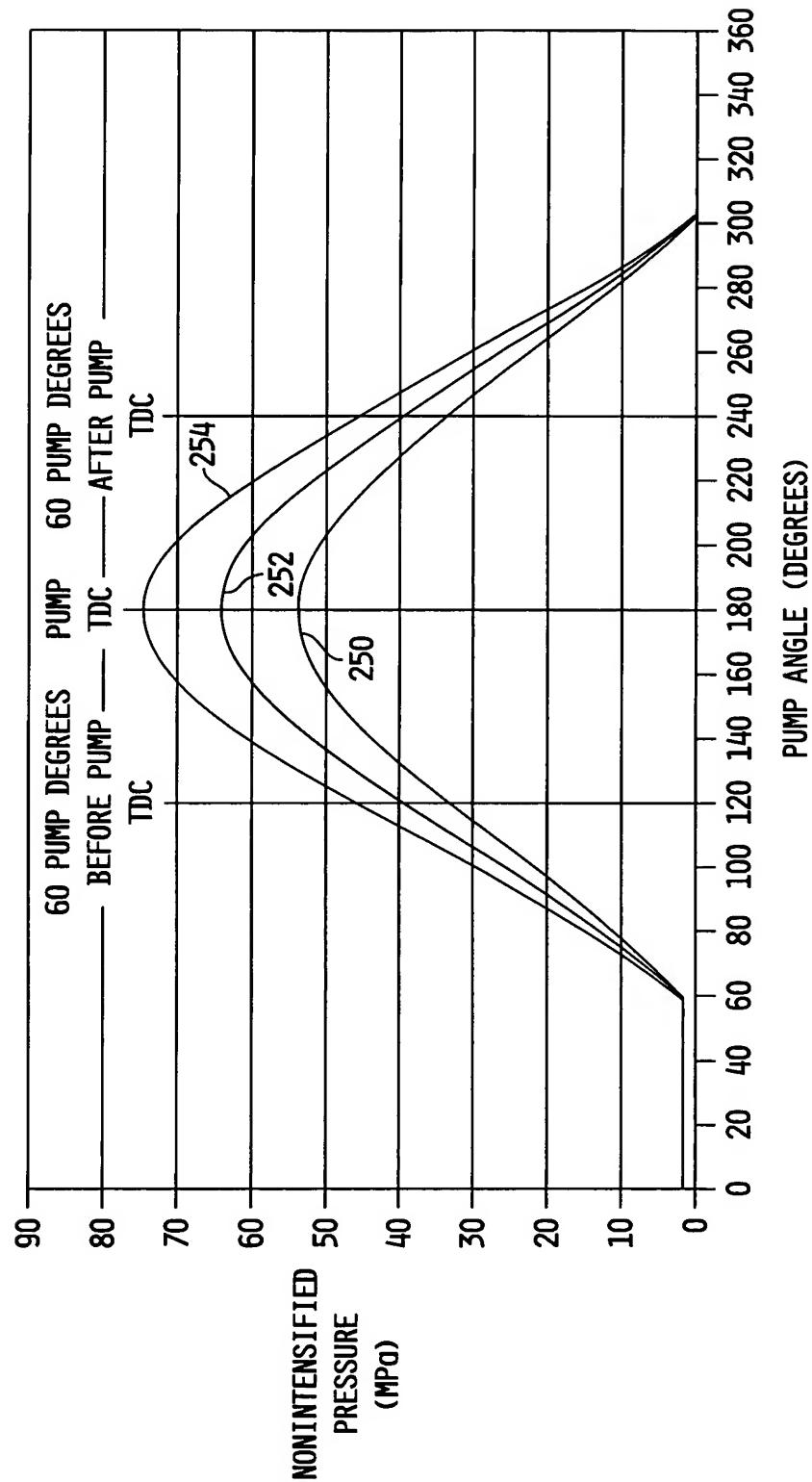


FIG. 9

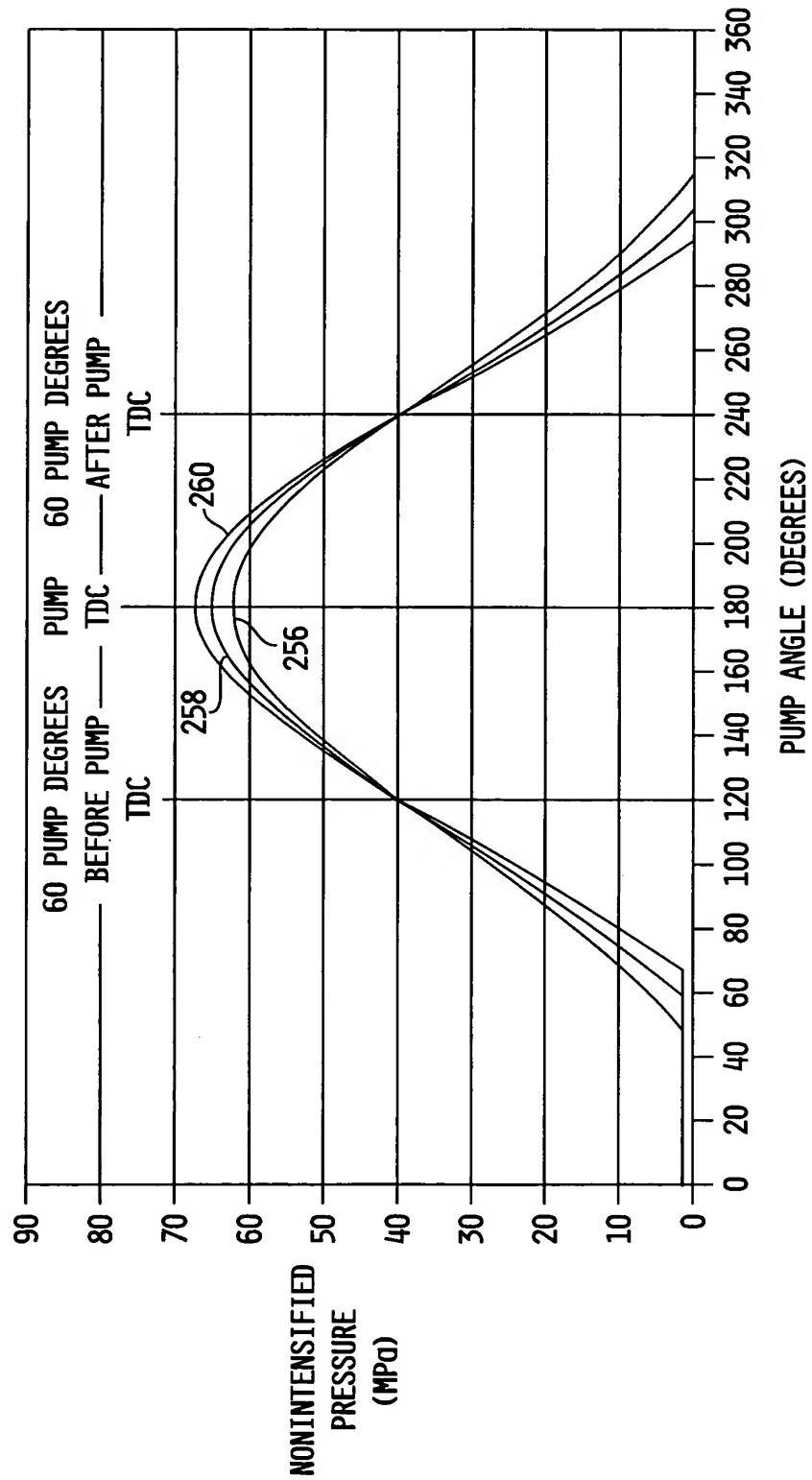


FIG. 10

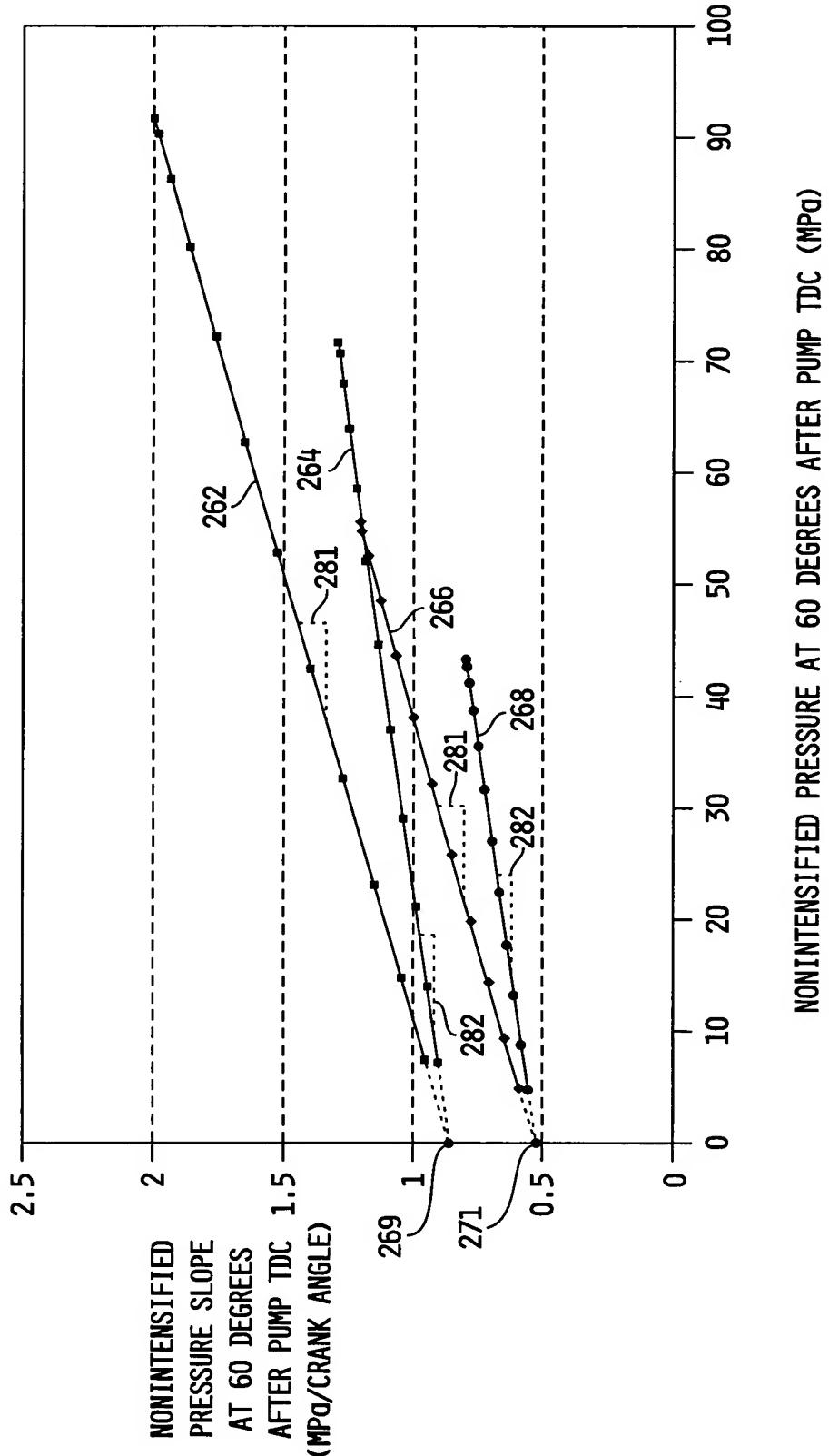


FIG. 11

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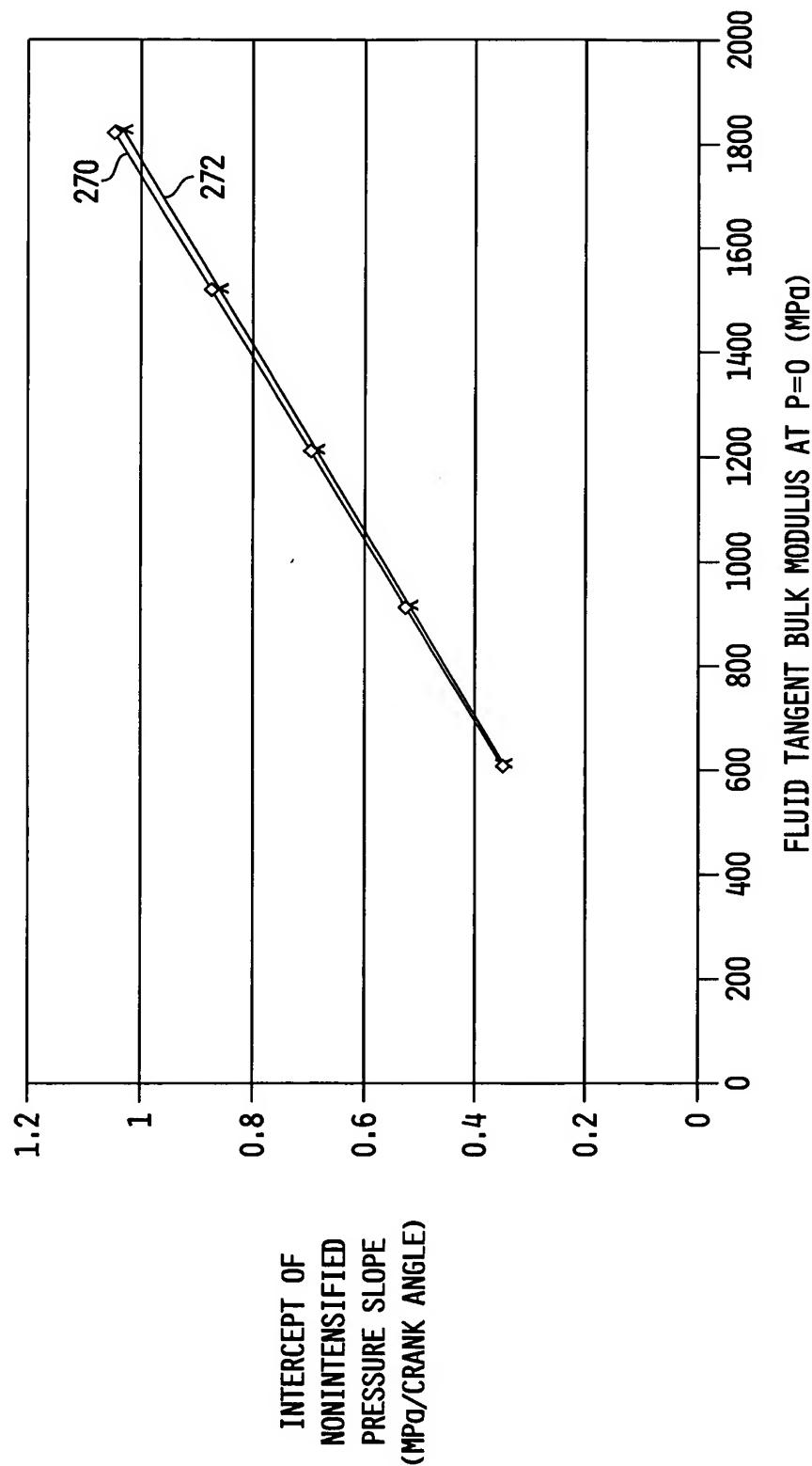


FIG. 12A

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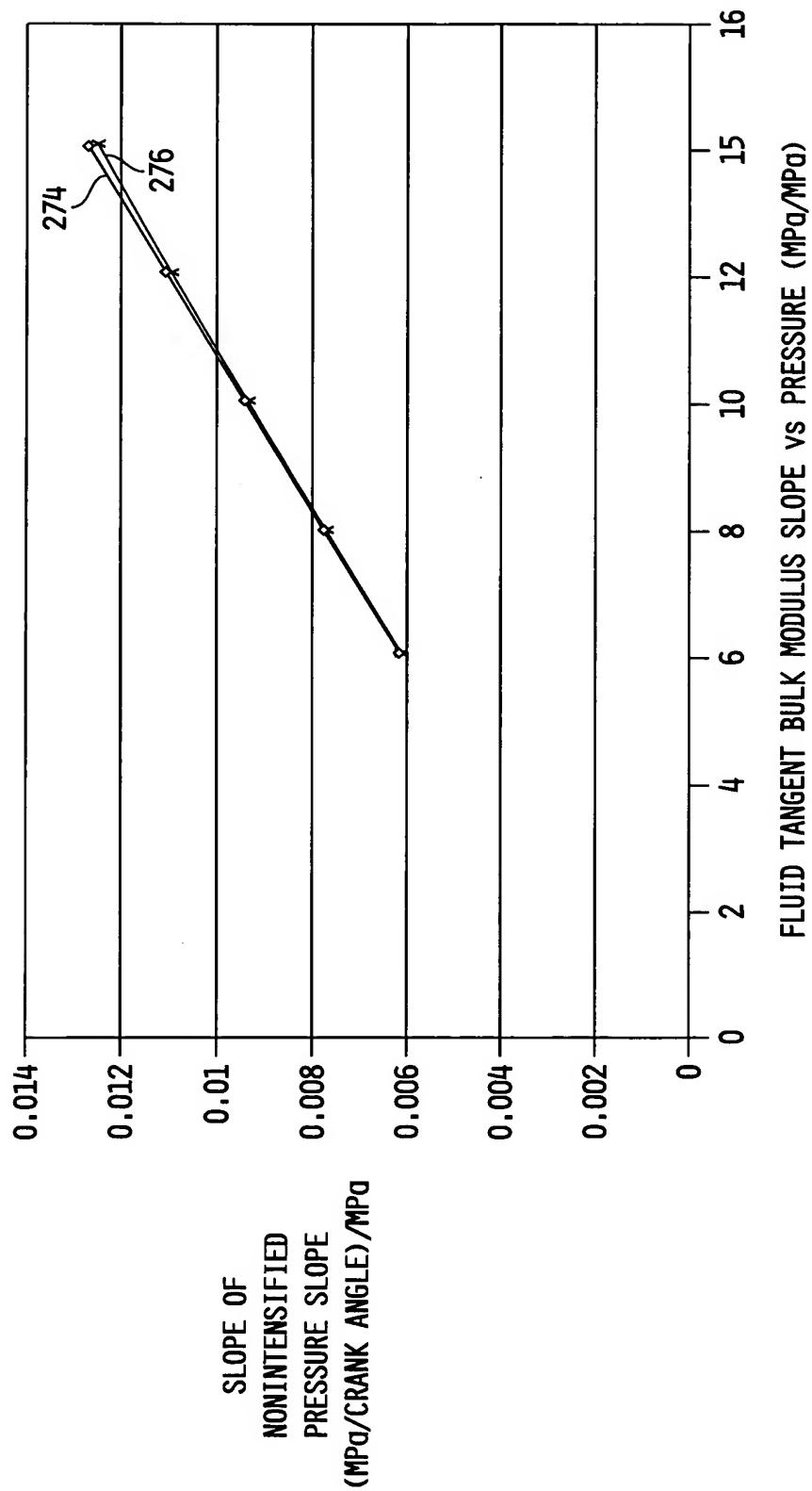


FIG. 12B

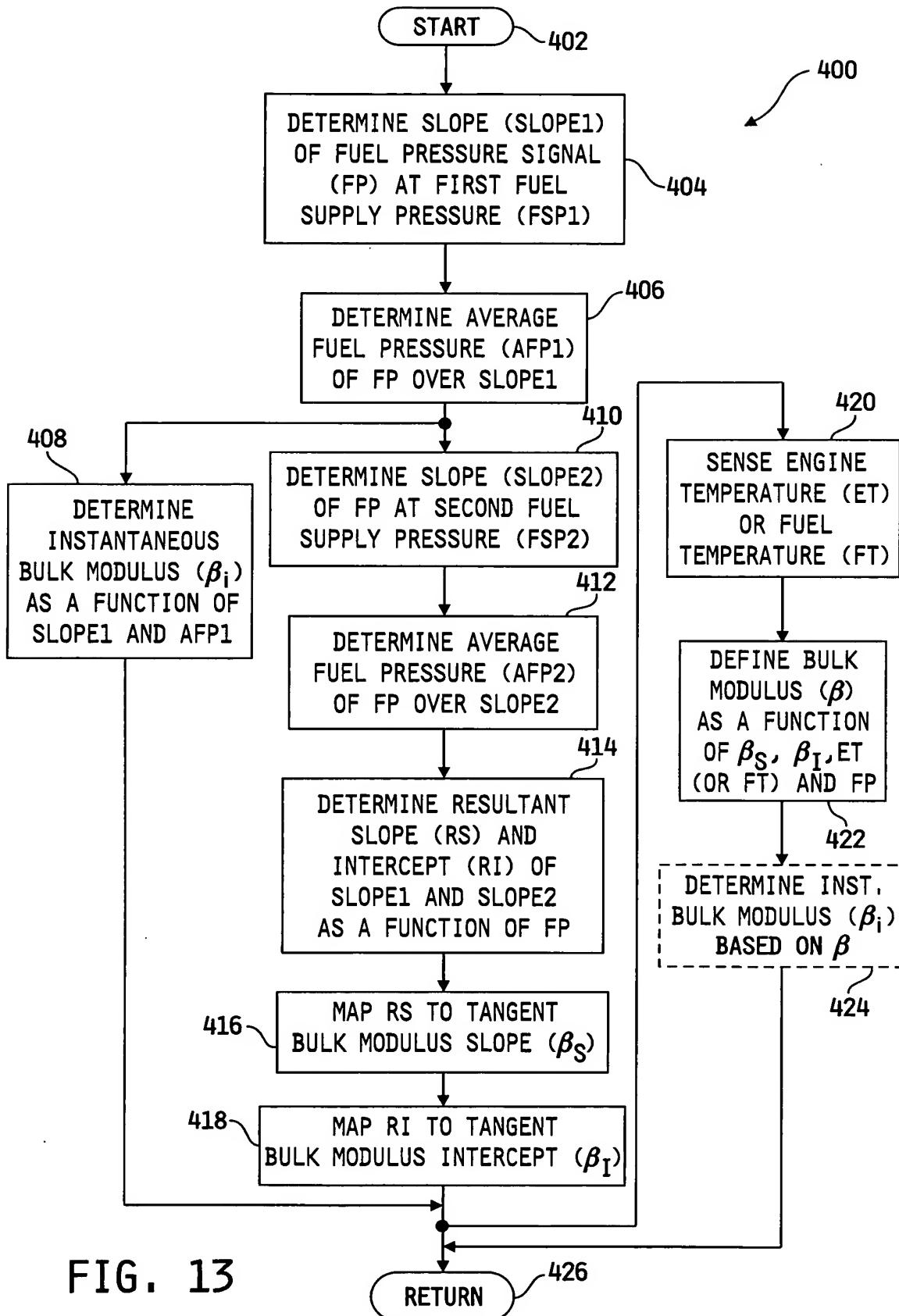


FIG. 13

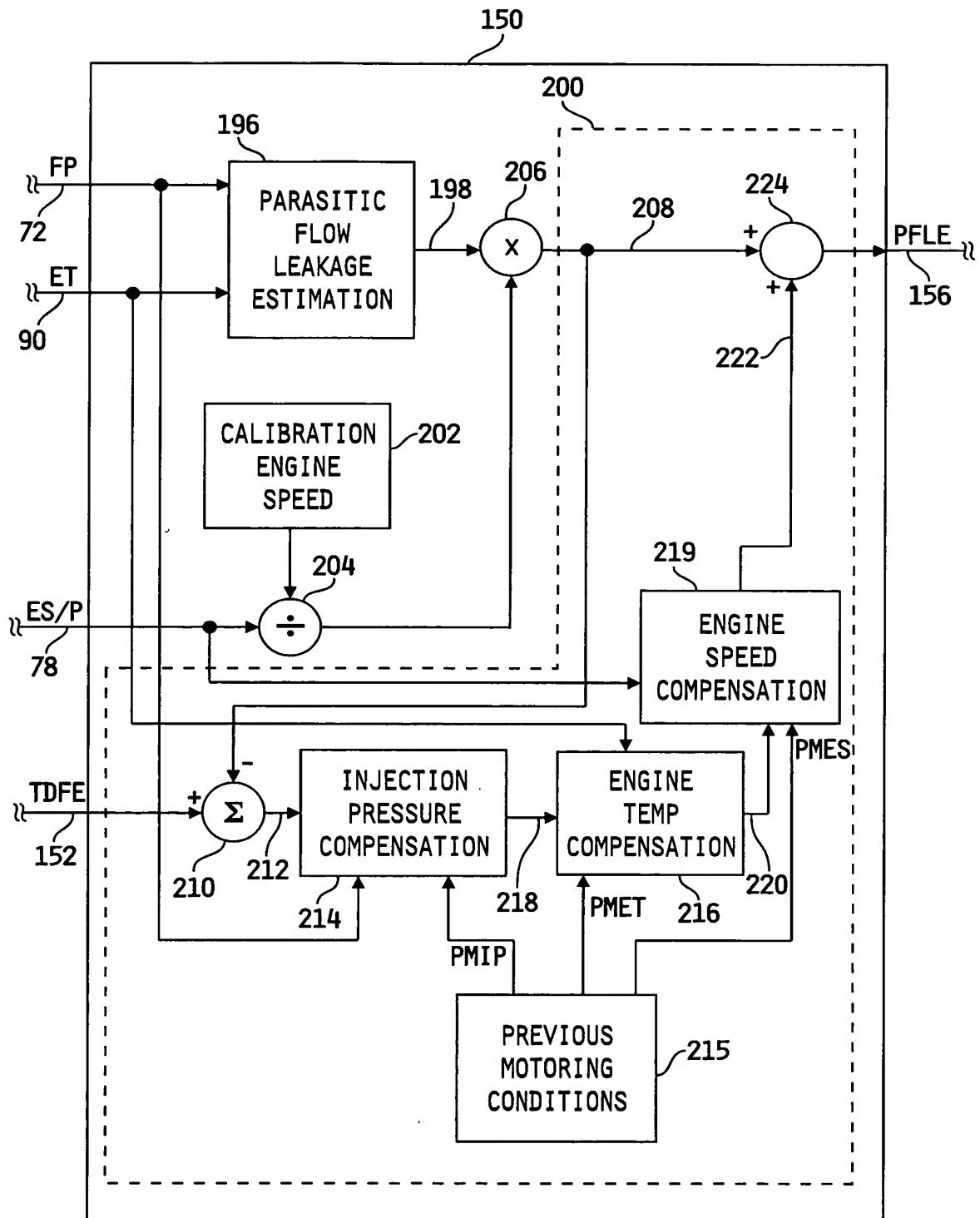


FIG. 15

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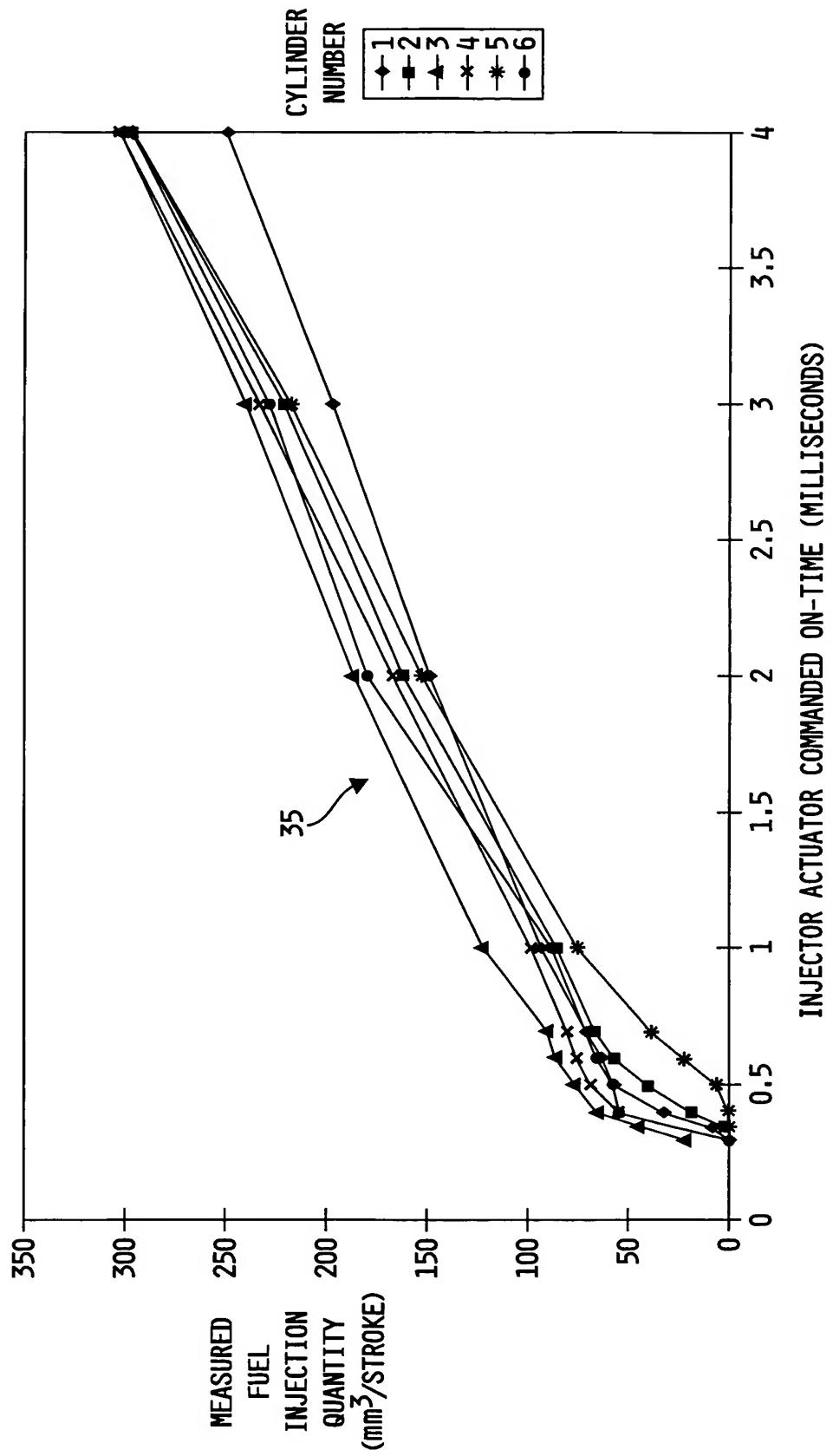


FIG. 16 (PRIOR ART)

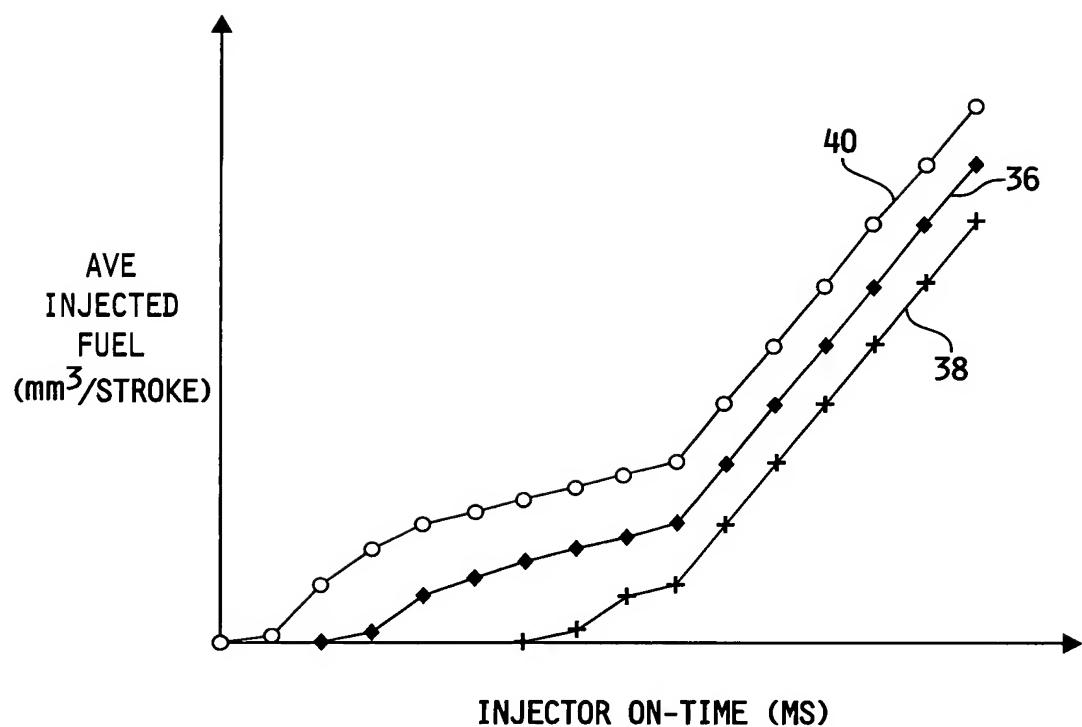


FIG. 17
(PRIOR ART)

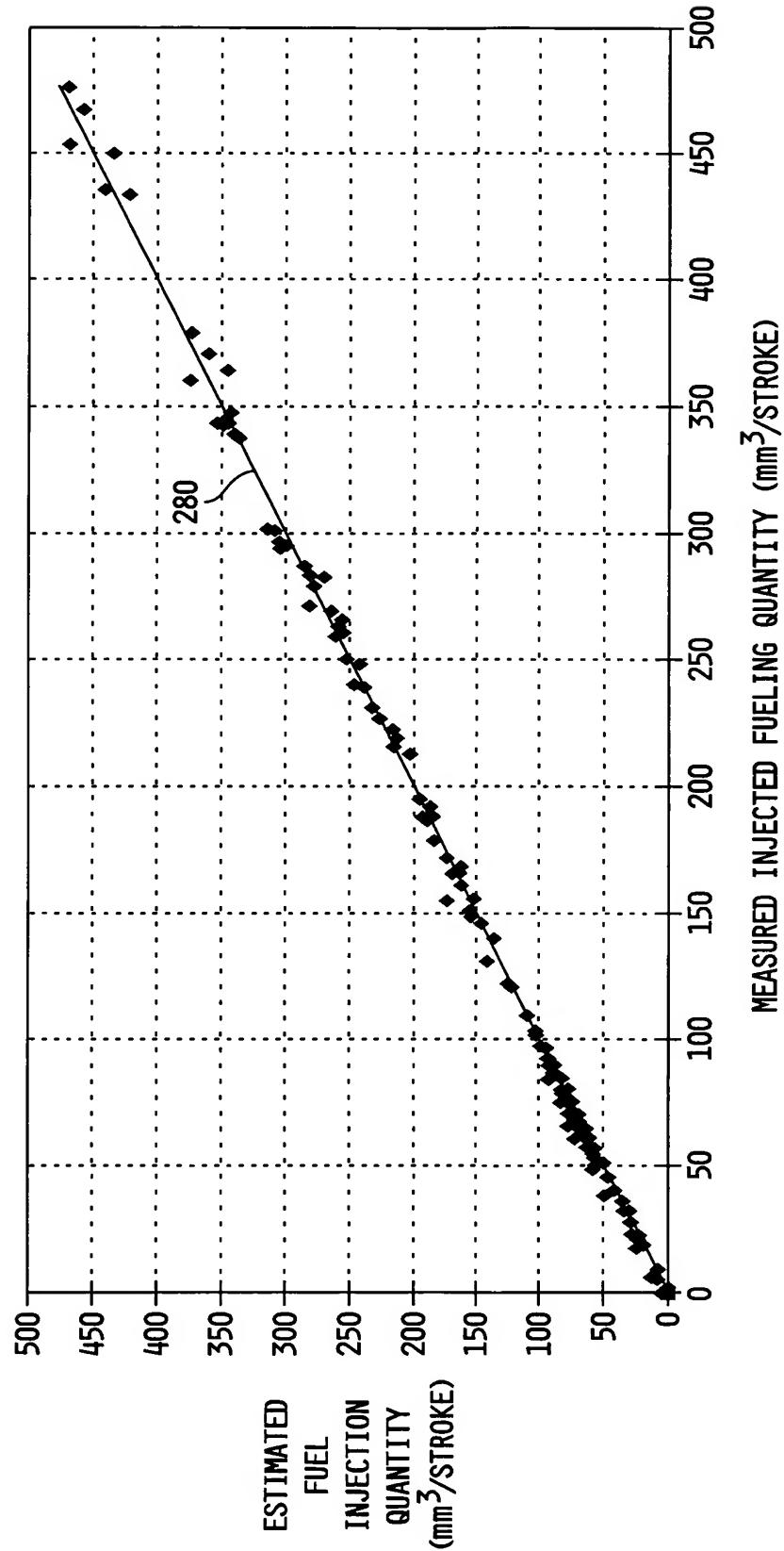
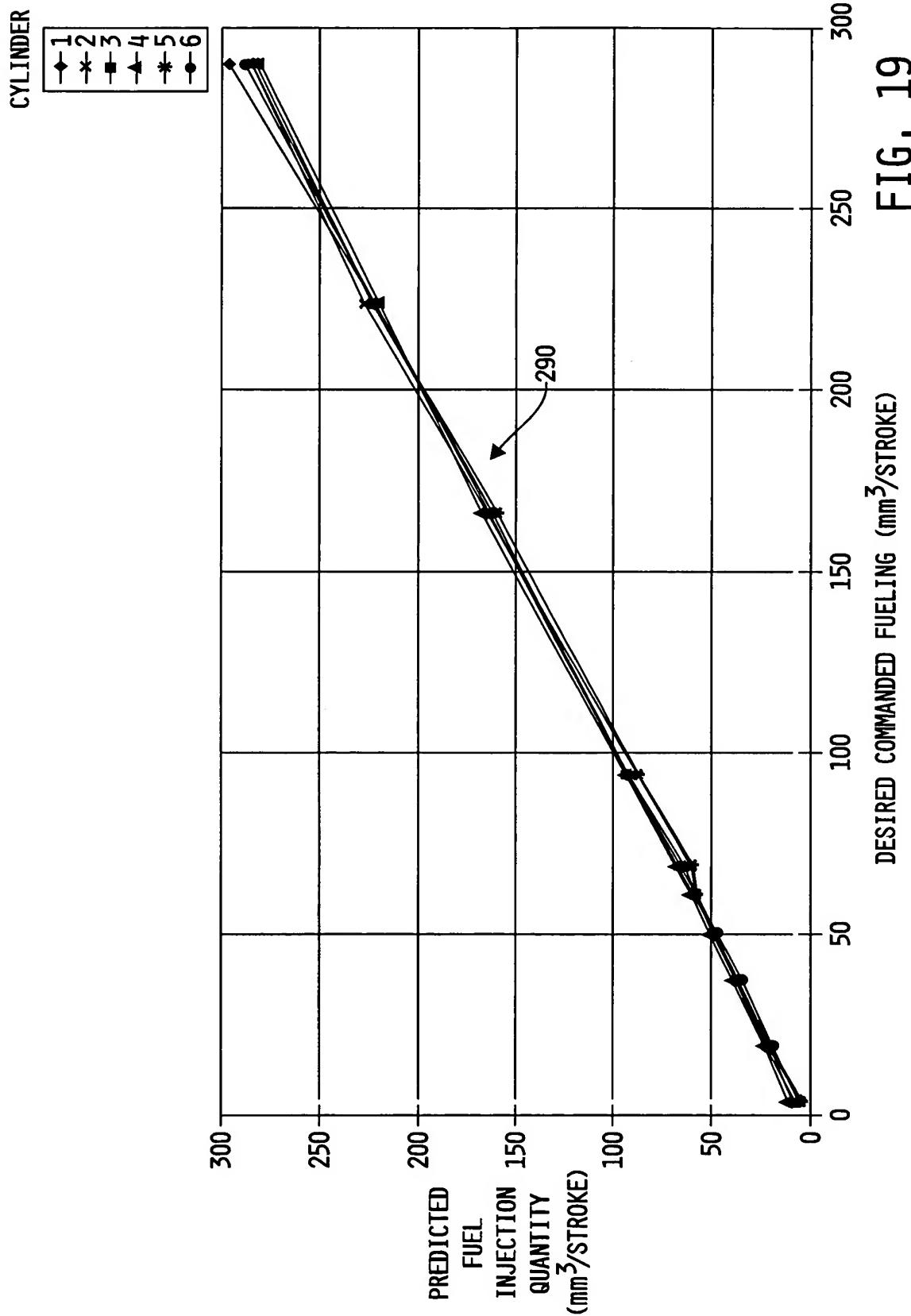
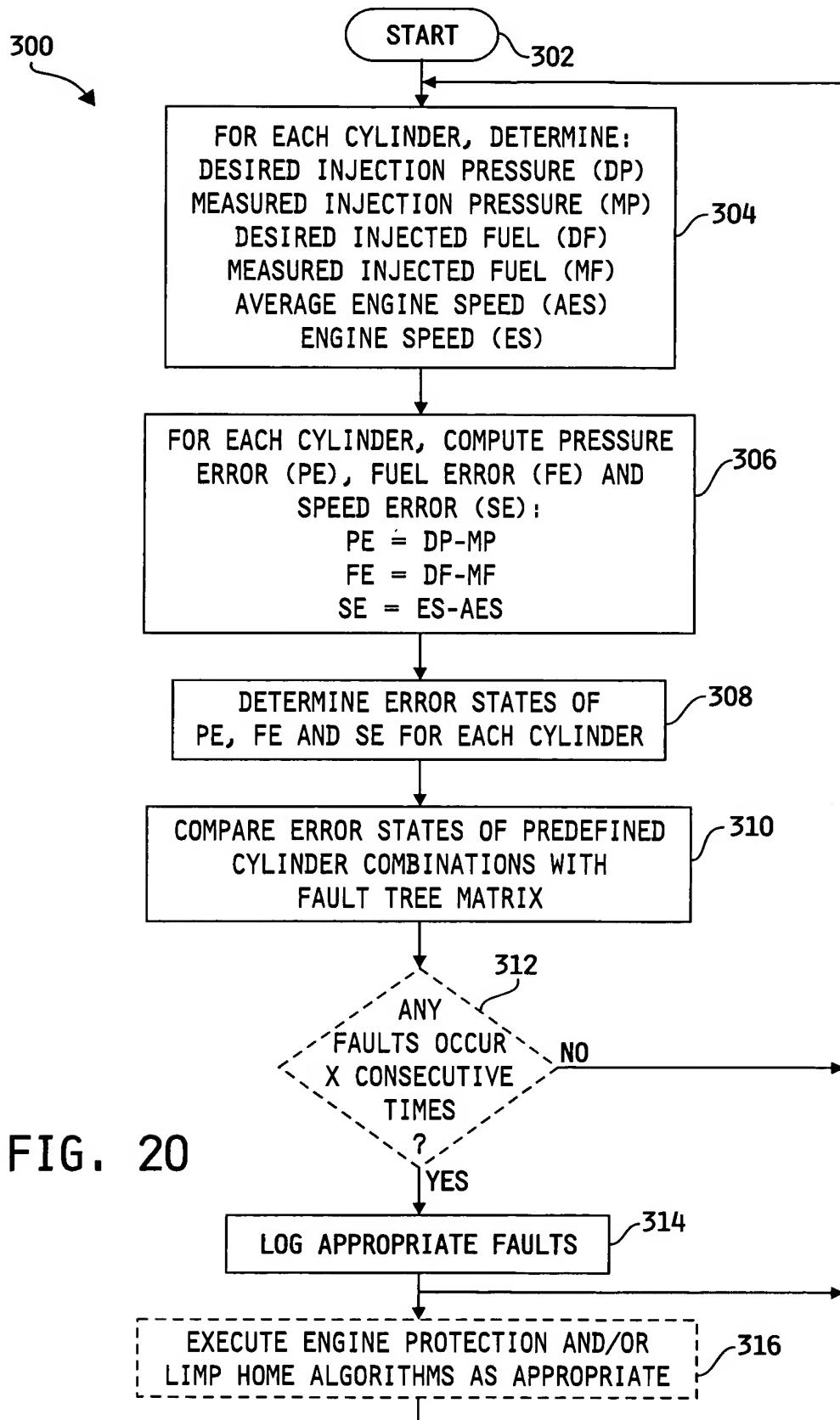


FIG. 18





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IF PE > PE THRESHOLD1 ; PE STATE = HIGH  
  
IF PE < PE THRESHOLD2 ; PE STATE = LOW  
  
IF PE THRESHOLD2 ≤ PE ≤ PE THRESHOLD1 ;  
PE STATE = NORMAL  
:  
:
```

FIG. 21

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<u>CYL #</u>	<u>PE STATE</u>	<u>FE STATE</u>	<u>SE STATE</u>	<u>FAULT</u>
1	LOW	HIGH	HIGH	OVERFUELING
2	NORMAL	NORMAL	NORMAL	CYL #1
3	NORMAL	NORMAL	NORMAL	
:	:	:	:	:
1	NORMAL/LOW	HIGH	NORMAL	CONTINUOUSLY
2	NORMAL/LOW	HIGH	NORMAL	OVERFUELING
3	NORMAL/LOW	HIGH	HIGH	CYL # 3
:	:	:	:	:

FIG. 22

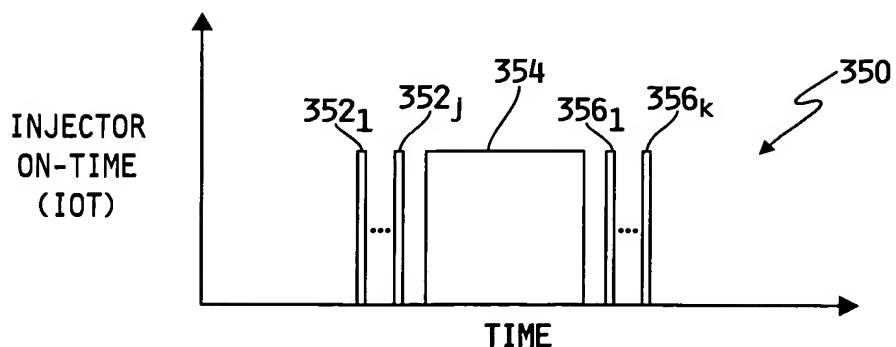


FIG. 23

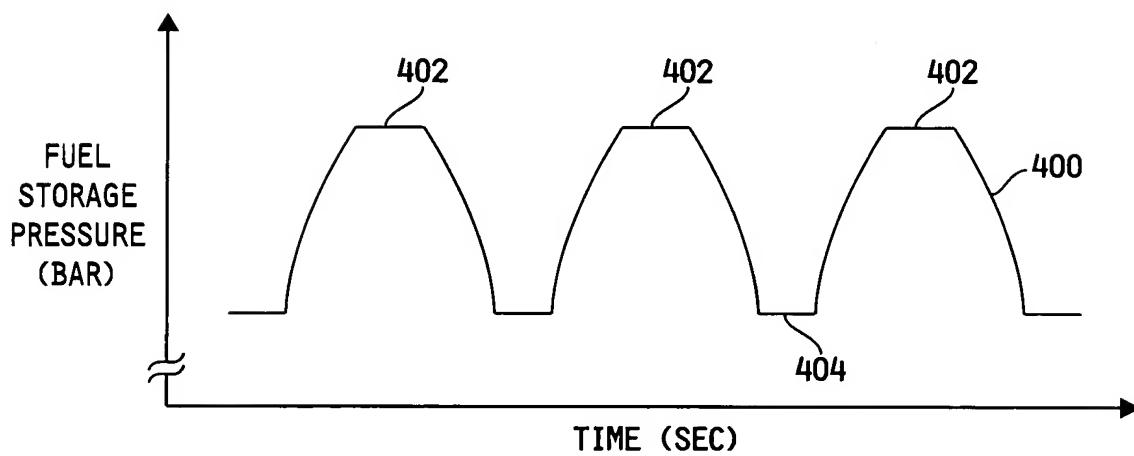


FIG. 24A

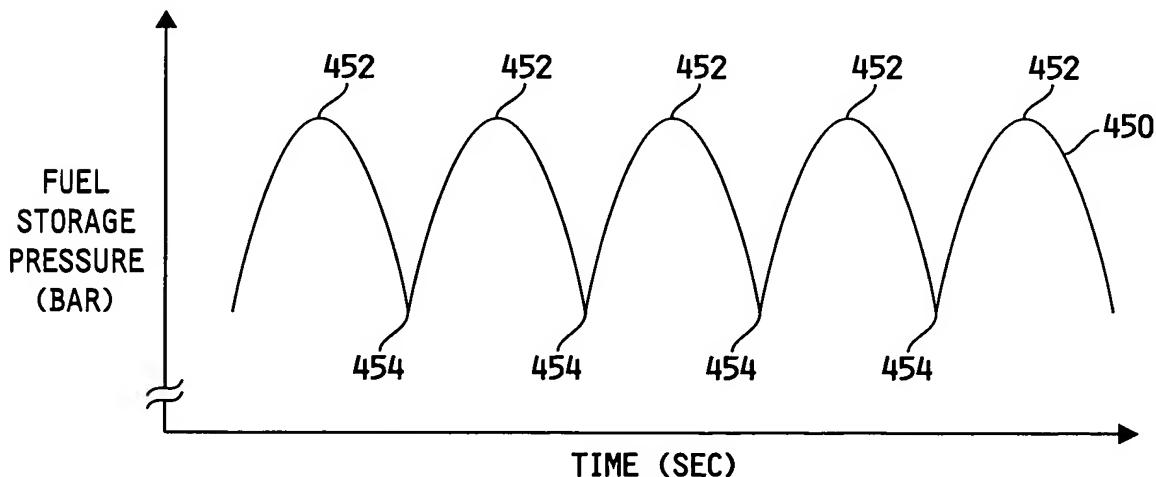


FIG. 24B

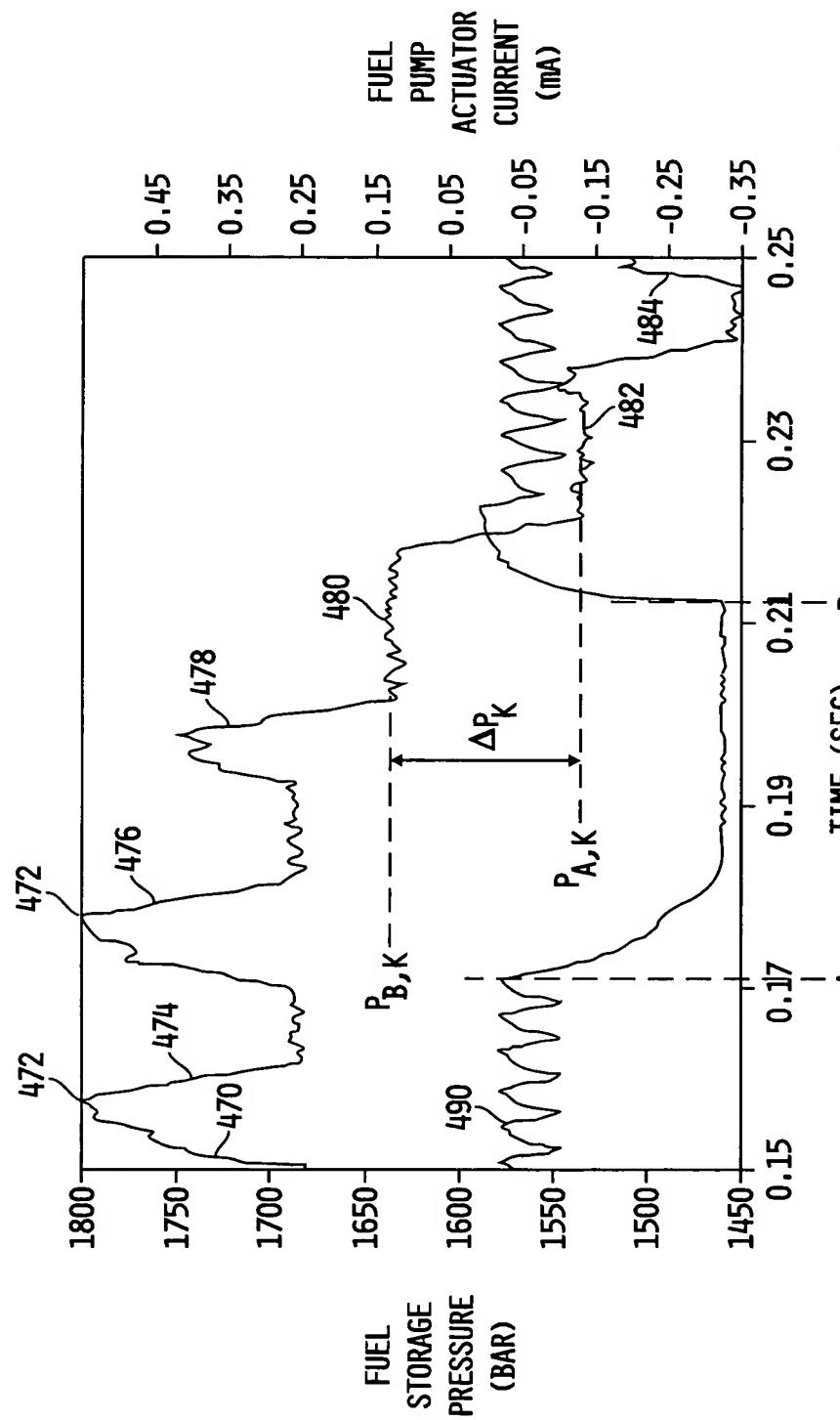


FIG. 25

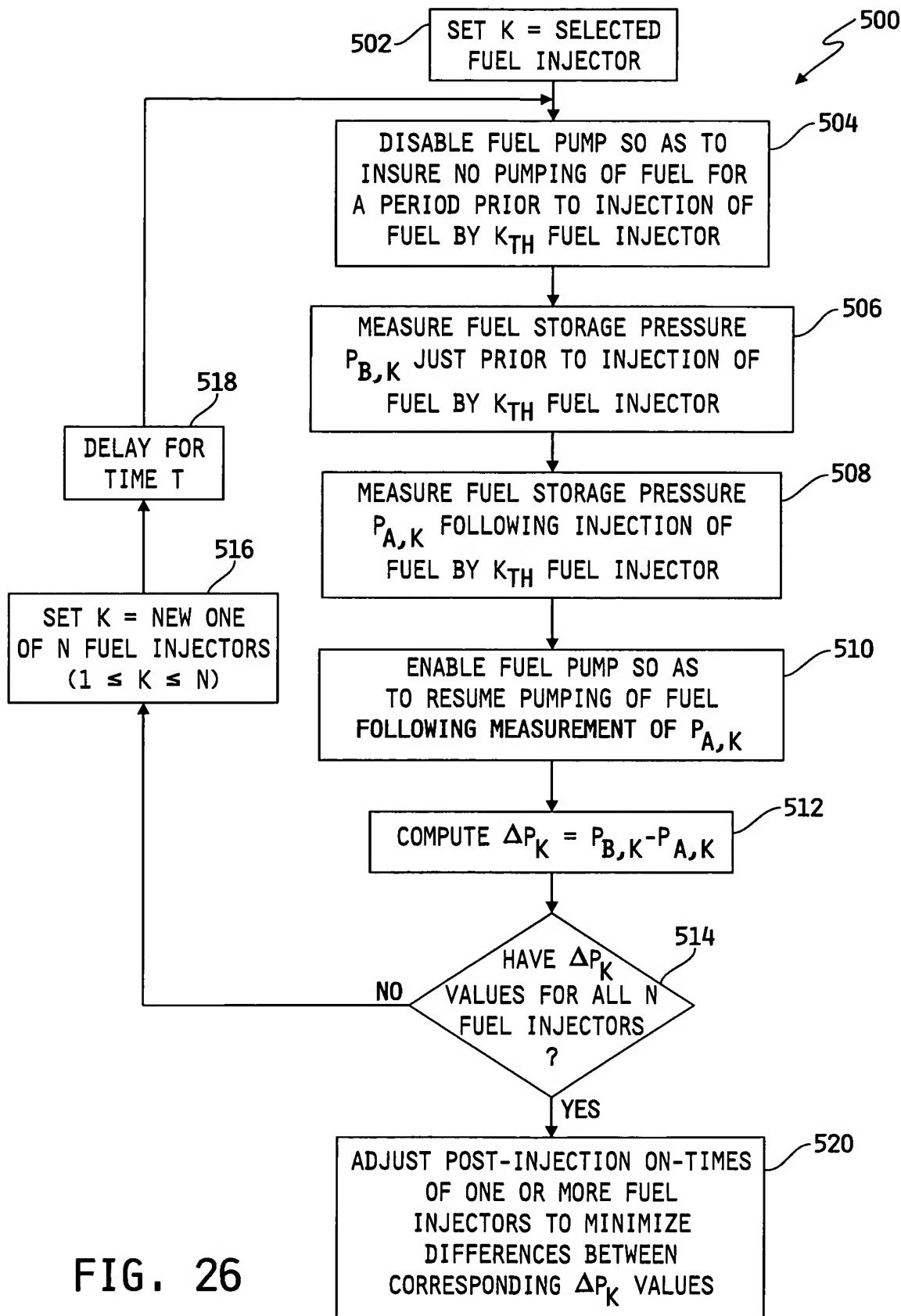


FIG. 26

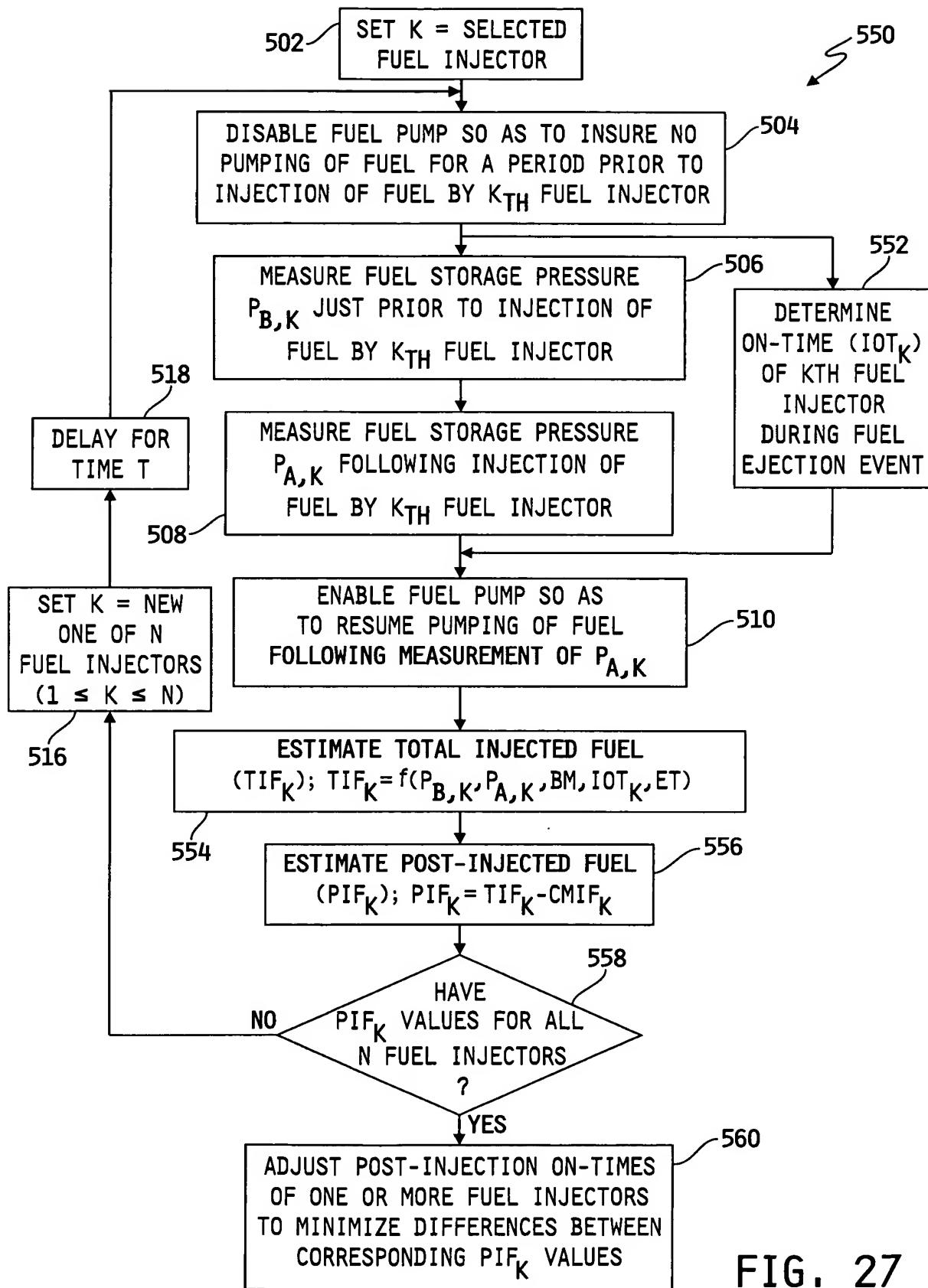


FIG. 27

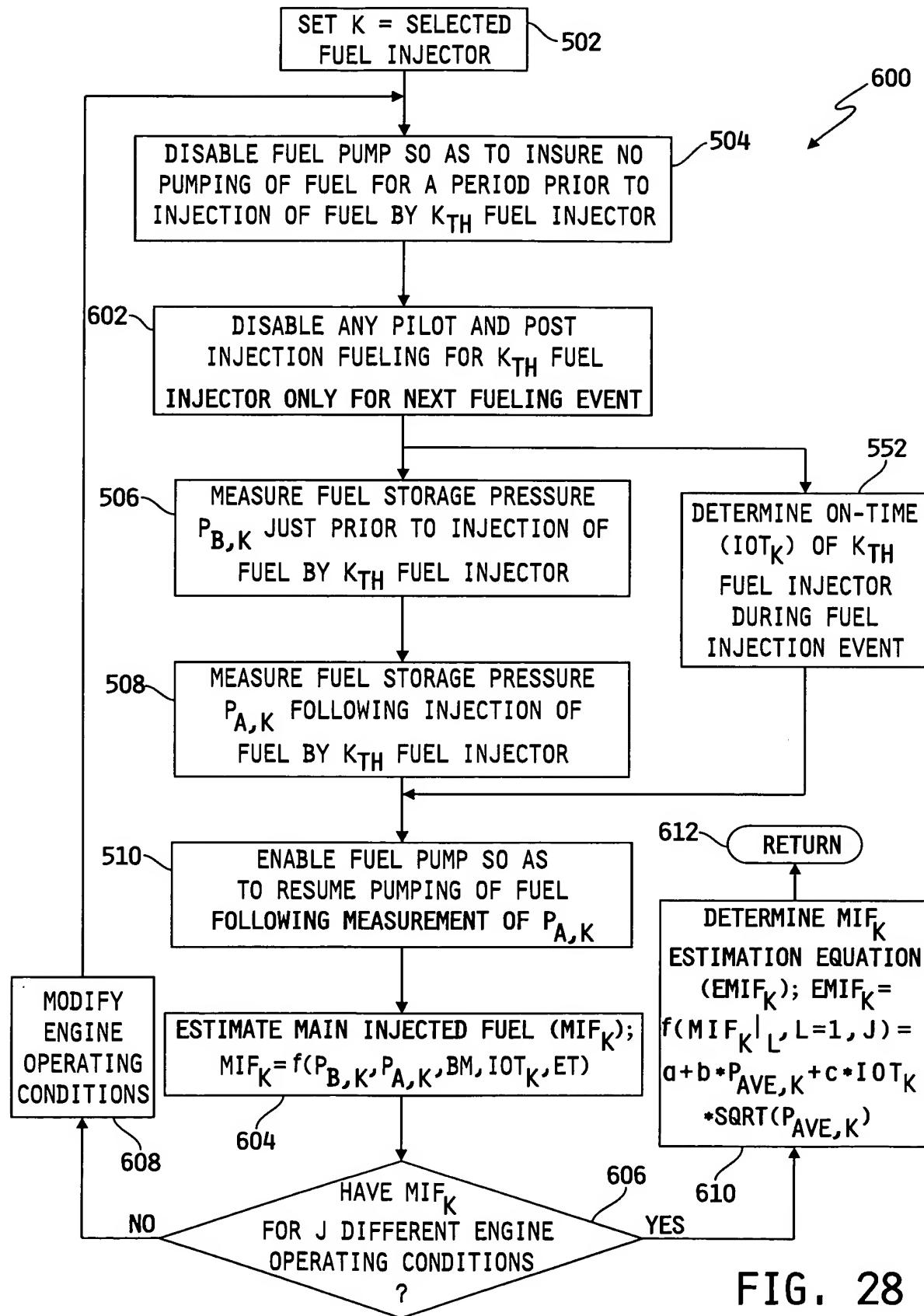


FIG. 28

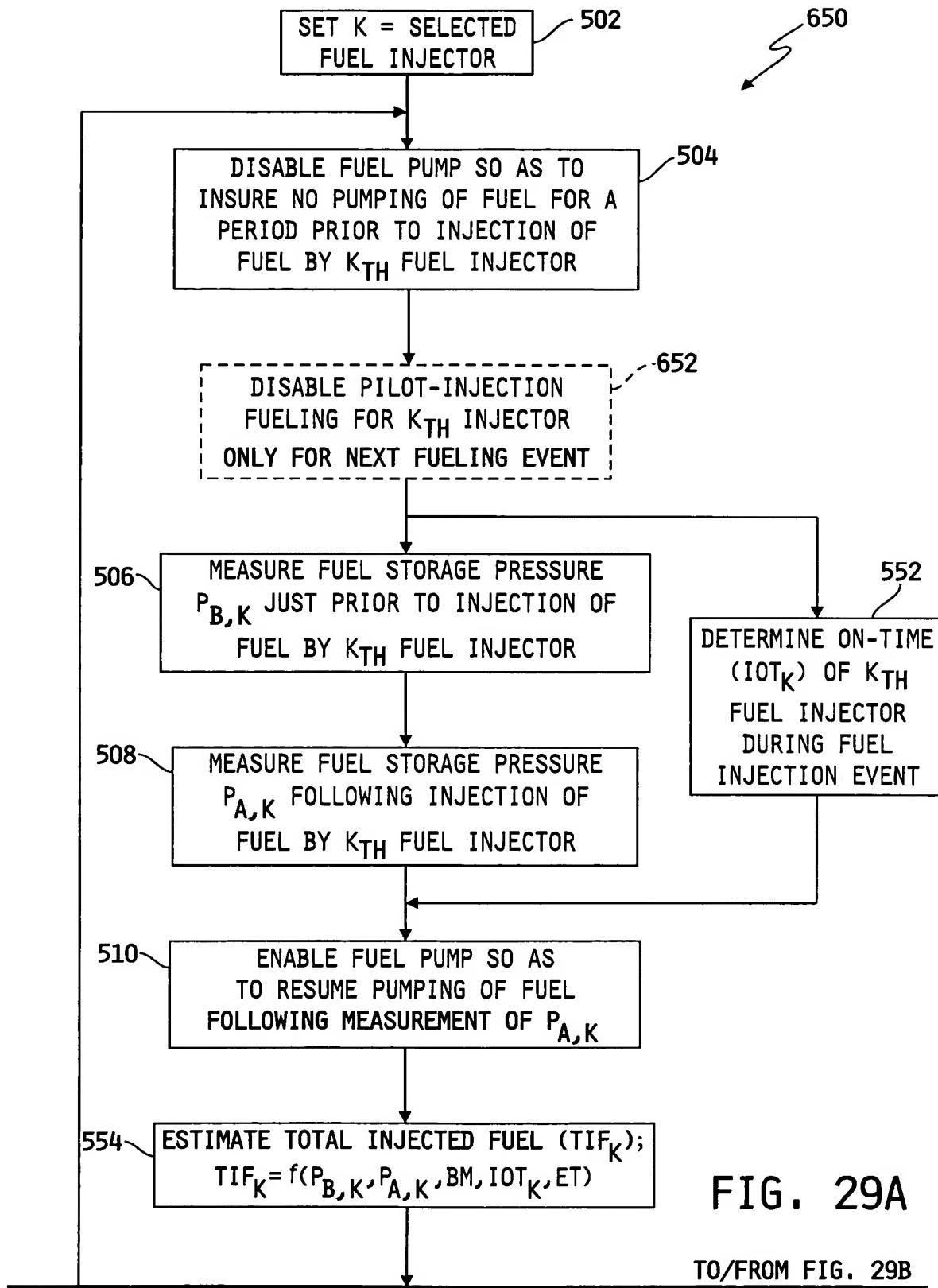


FIG. 29A

TO/FROM FIG. 29B

FROM/TO FIG. 29A

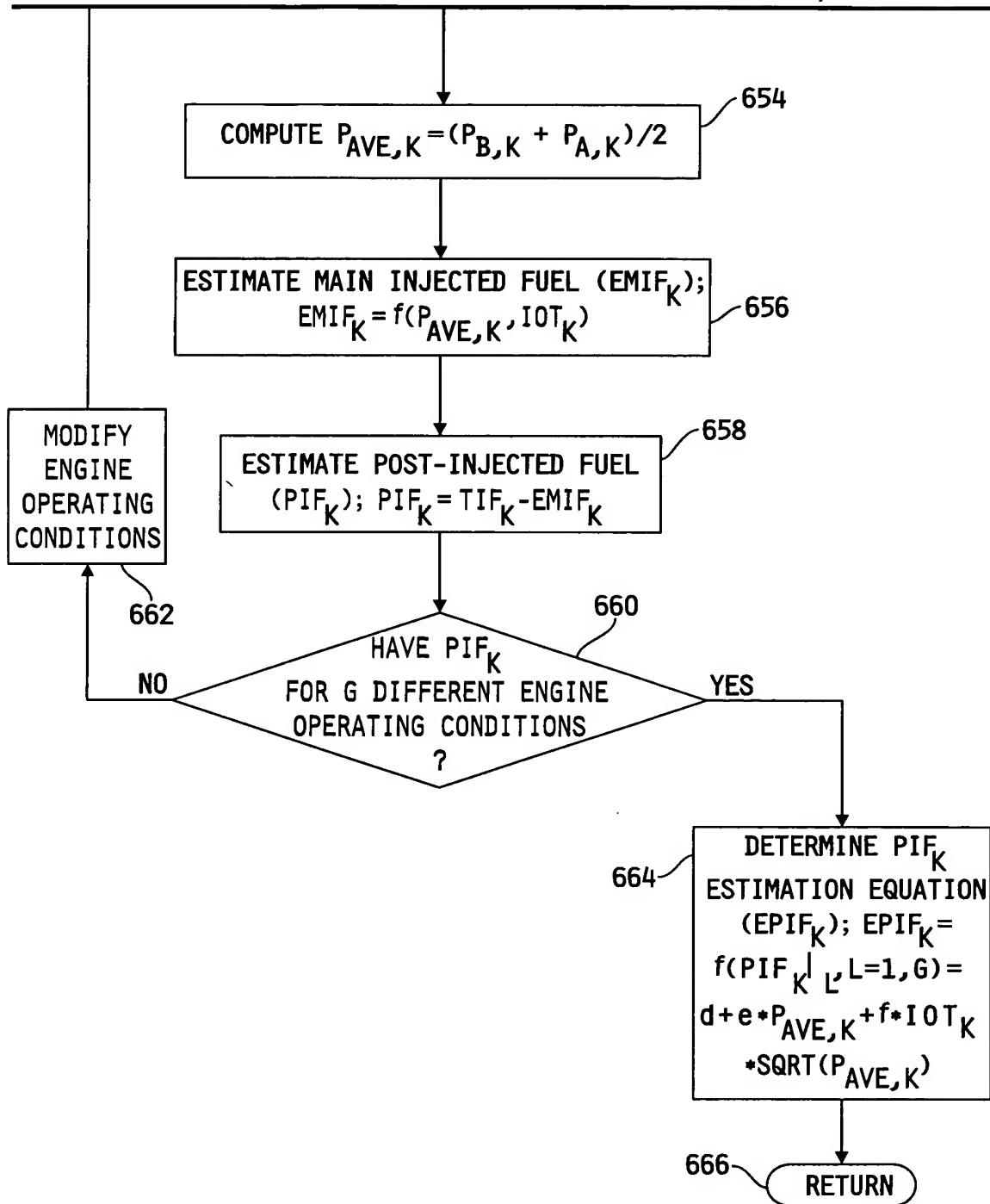


FIG. 29B

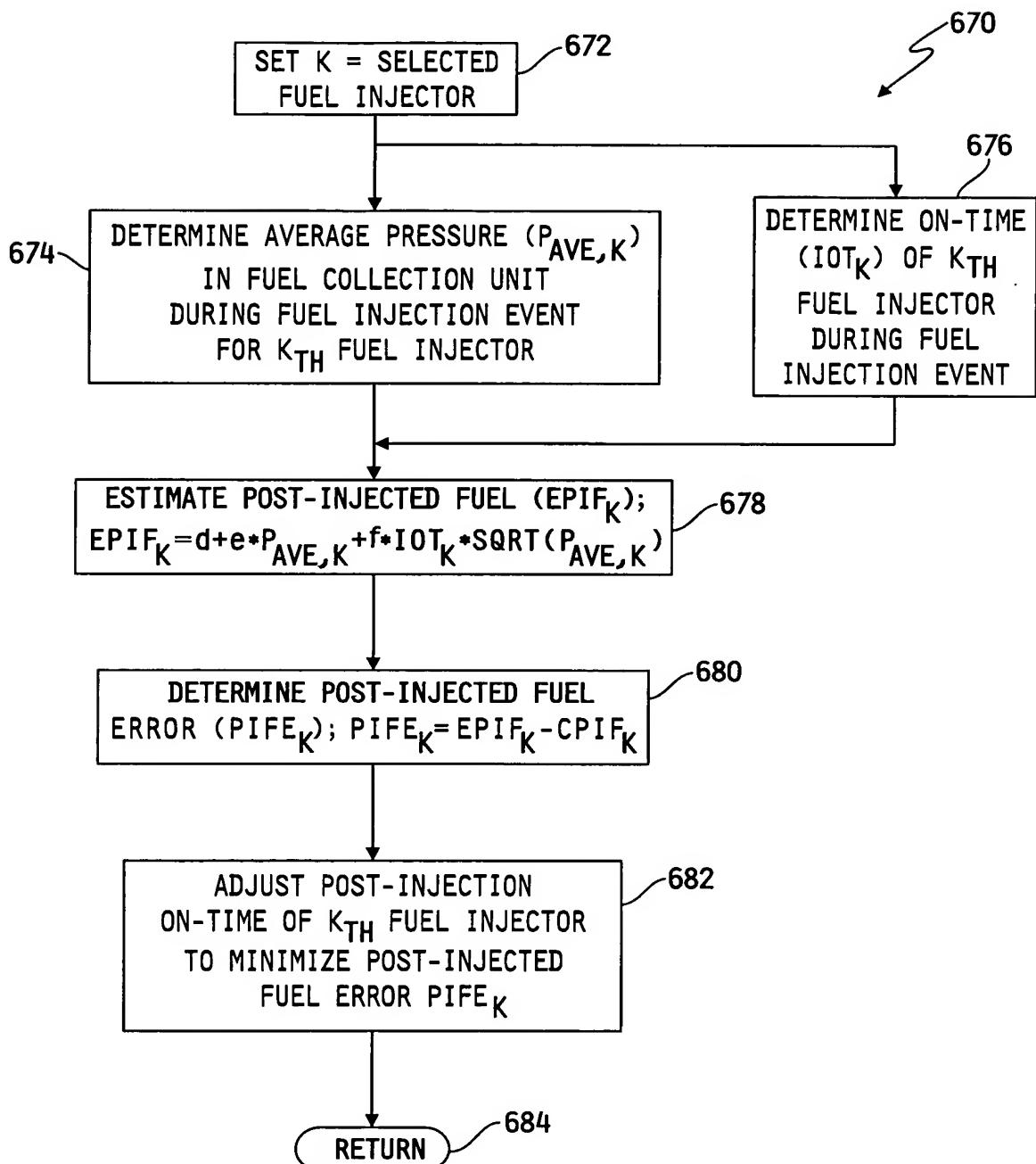


FIG.30

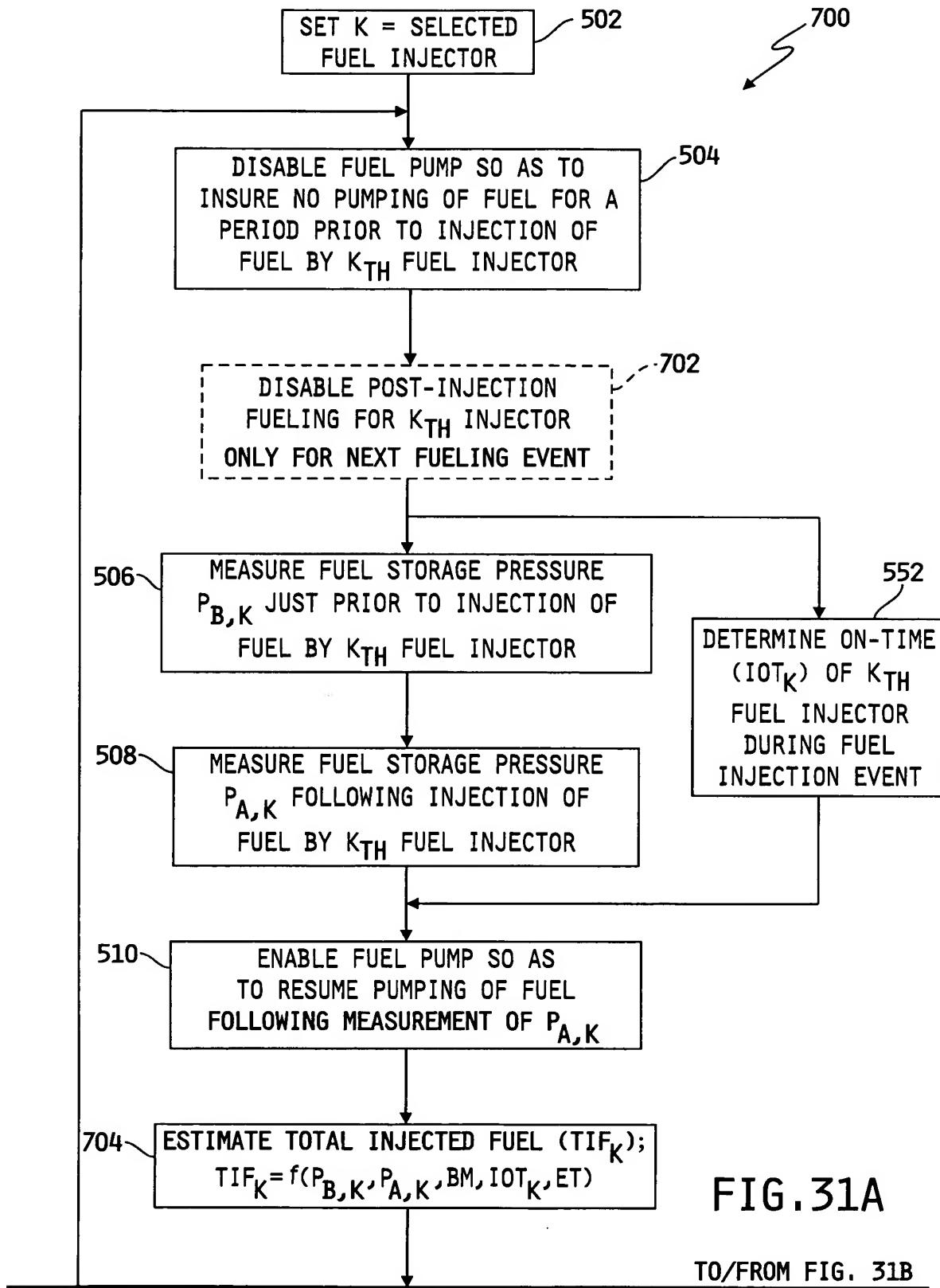


FIG. 31A

TO/FROM FIG. 31B

FROM/TO FIG. 31A

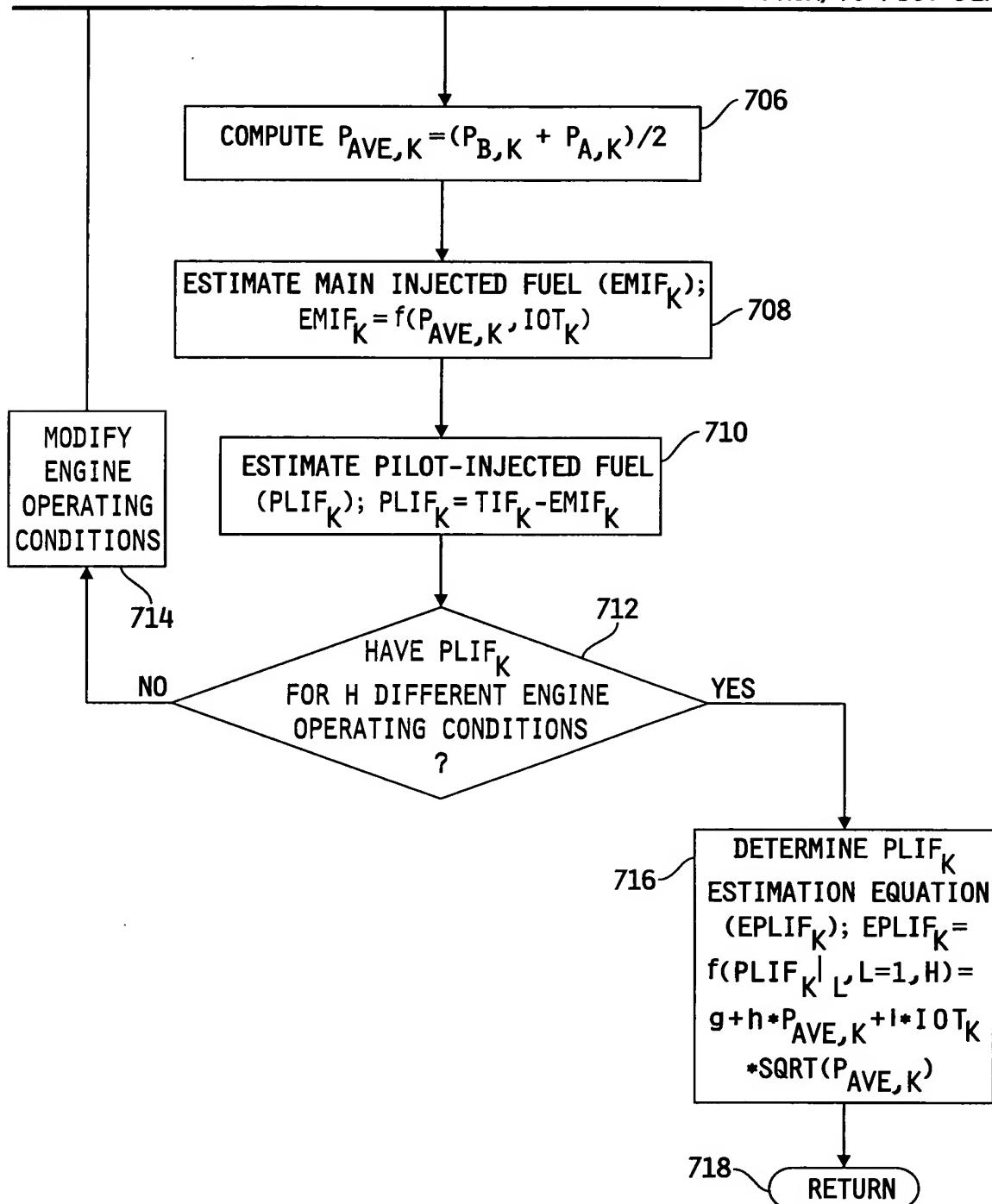


FIG. 31B

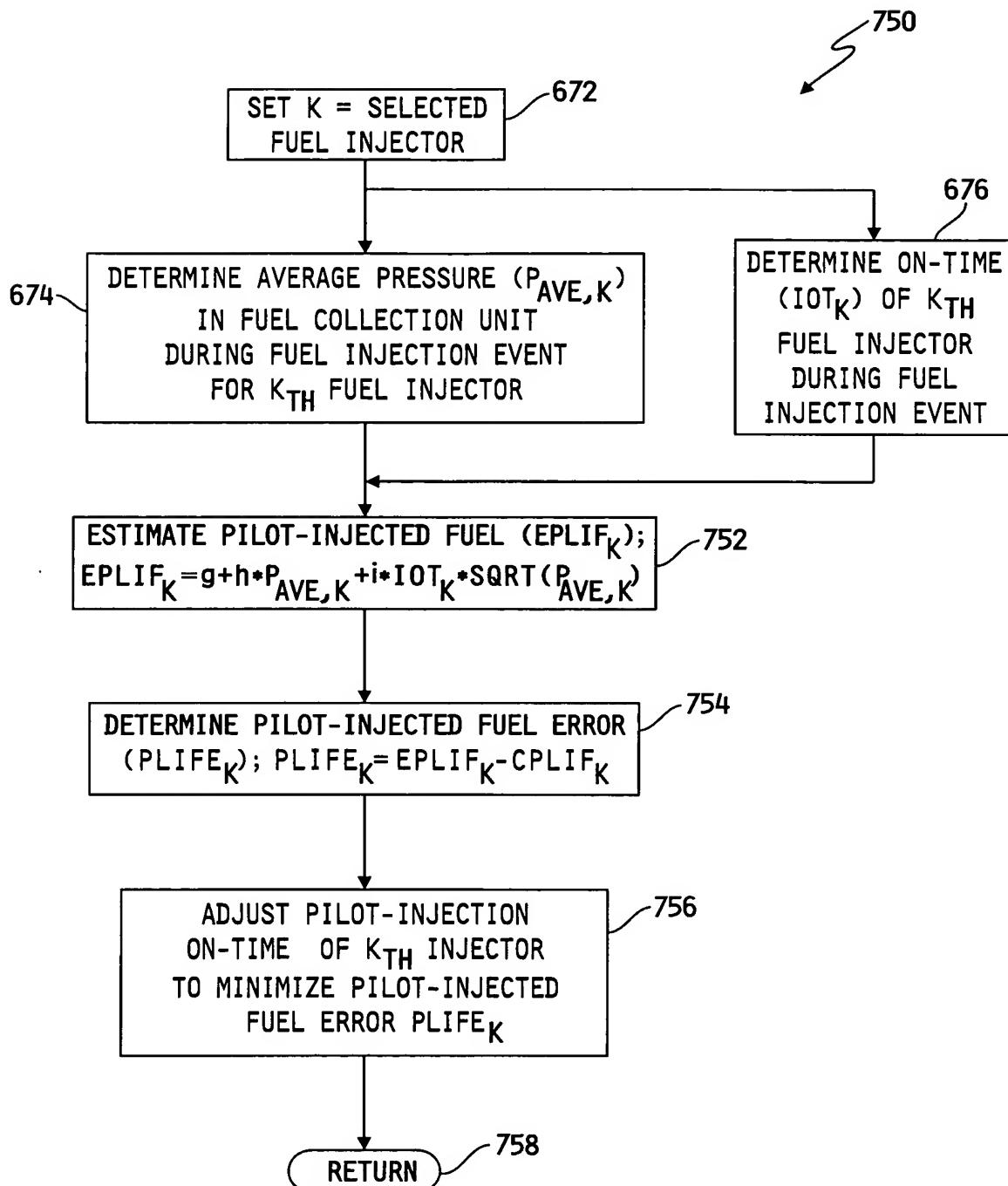


FIG.32

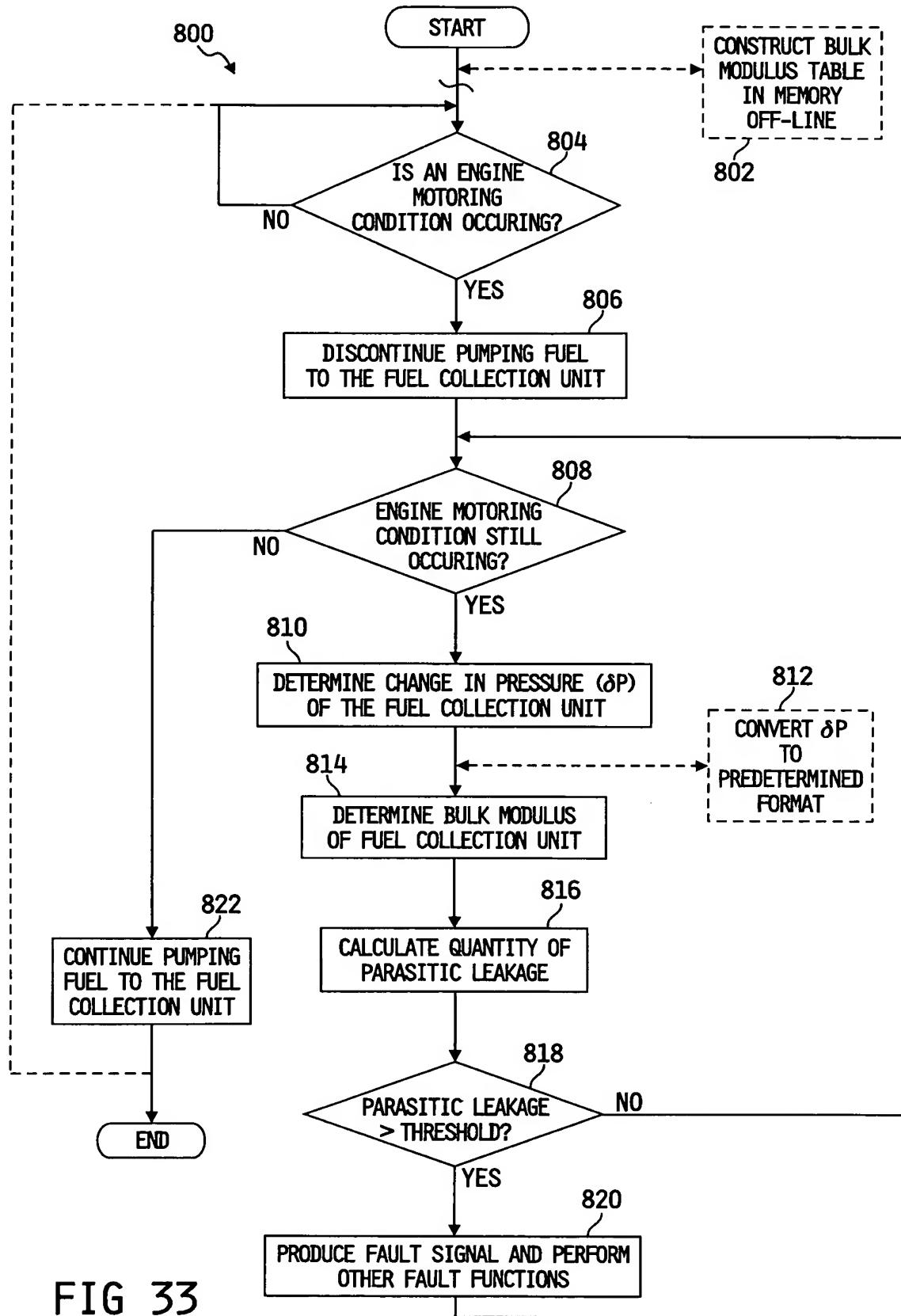


FIG 33

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FUEL TEMPERATURE VALUE 1	FUEL TEMPERATURE VALUE 2	FUEL TEMPERATURE VALUE n
FUEL PRESSURE VALUE 1	β_{11}	β_{1n}
FUEL PRESSURE VALUE 2	β_{21}	β_{2n}
FUEL PRESSURE VALUE 3	β_{31}	β_{3n}
FUEL PRESSURE VALUE 4	β_{41}	β_{4n}
FUEL PRESSURE VALUE 5	β_{51}	β_{5n}
FUEL PRESSURE VALUE m	β_{m1}	β_{mn}

FIG 34